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SECTION

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000011283405

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

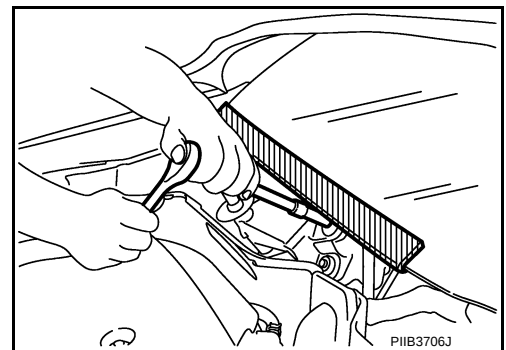
Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Procedure without Cowl Top Cover

INFOID:0000000011283406

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



PRECAUTIONS

< PRECAUTION >

Precautions for Removing Battery Terminal

INFOID:0000000011551416

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

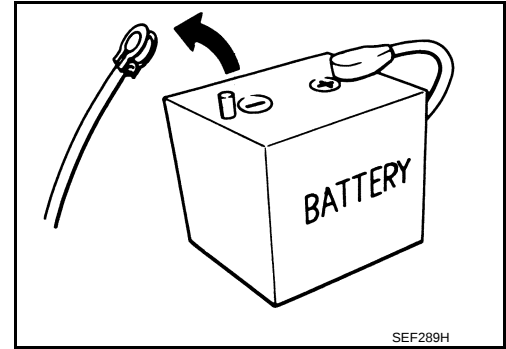
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



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PREPARATION

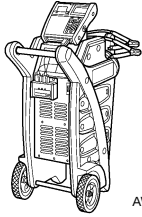
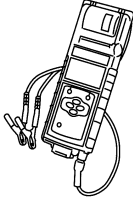
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PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000011283407

Tool number (Kent-Moore No.) Tool name		Description
— (—) Model GR8-1200 NI Multitasking battery and electrical diagnostic station	 AWI1A1239ZZ	Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.
— (—) Model EXP-800 NI Battery and electrical diagnostic analyzer	 JSMIA0806ZZ	Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.

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COMPONENT PARTS

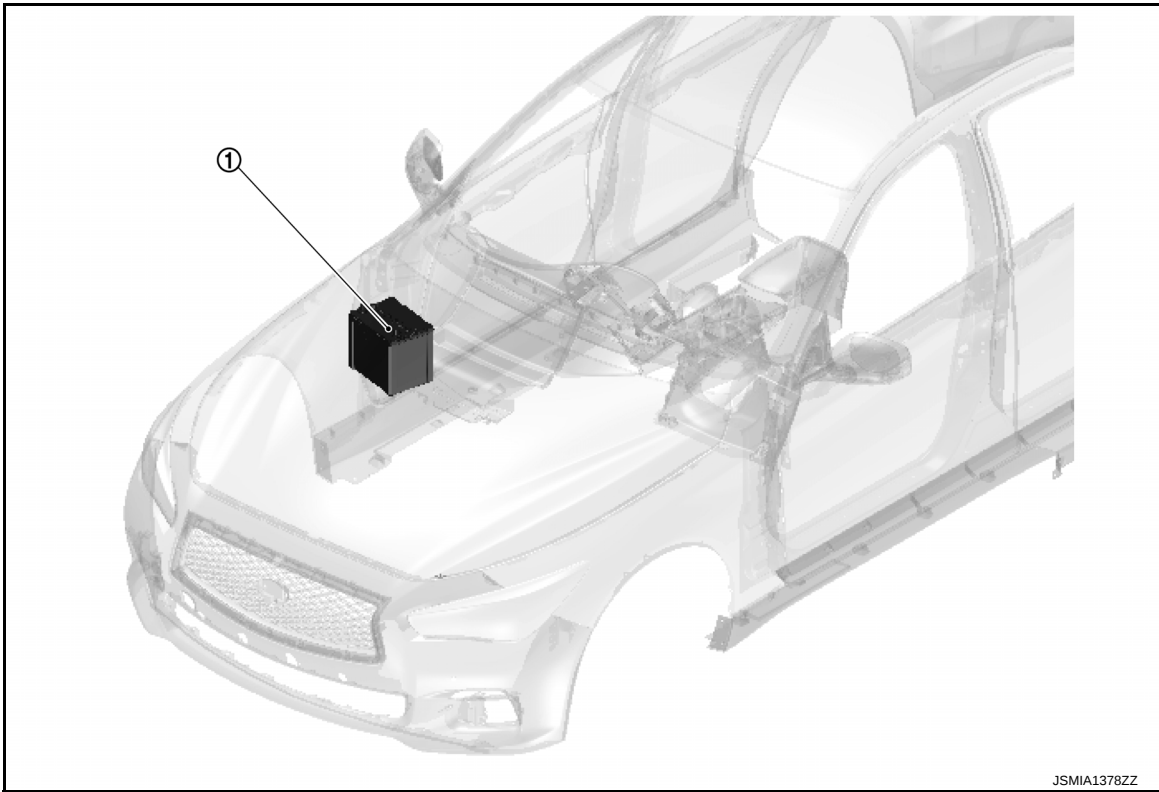
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000011283408



JSMIA1378ZZ

No.	Component	Function
①	Battery	Refer to PG-6, "Battery" .

Battery

INFOID:0000000011283409

WITH DIRECT ADAPTIVE STEERING

Type		Q-85
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	600

WITHOUT DIRECT ADAPTIVE STEERING

Type		80D23L
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	582

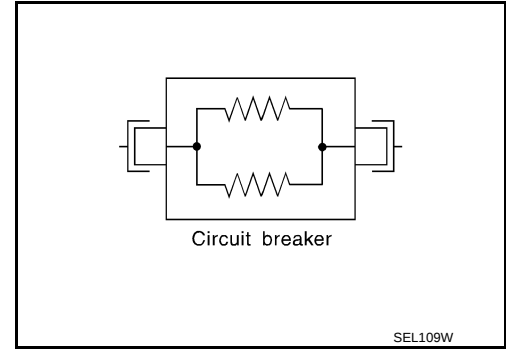
COMPONENT PARTS

< SYSTEM DESCRIPTION >

Circuit Breaker

INFOID:0000000011283410

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.



Harness Connector

INFOID:0000000011283411

HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

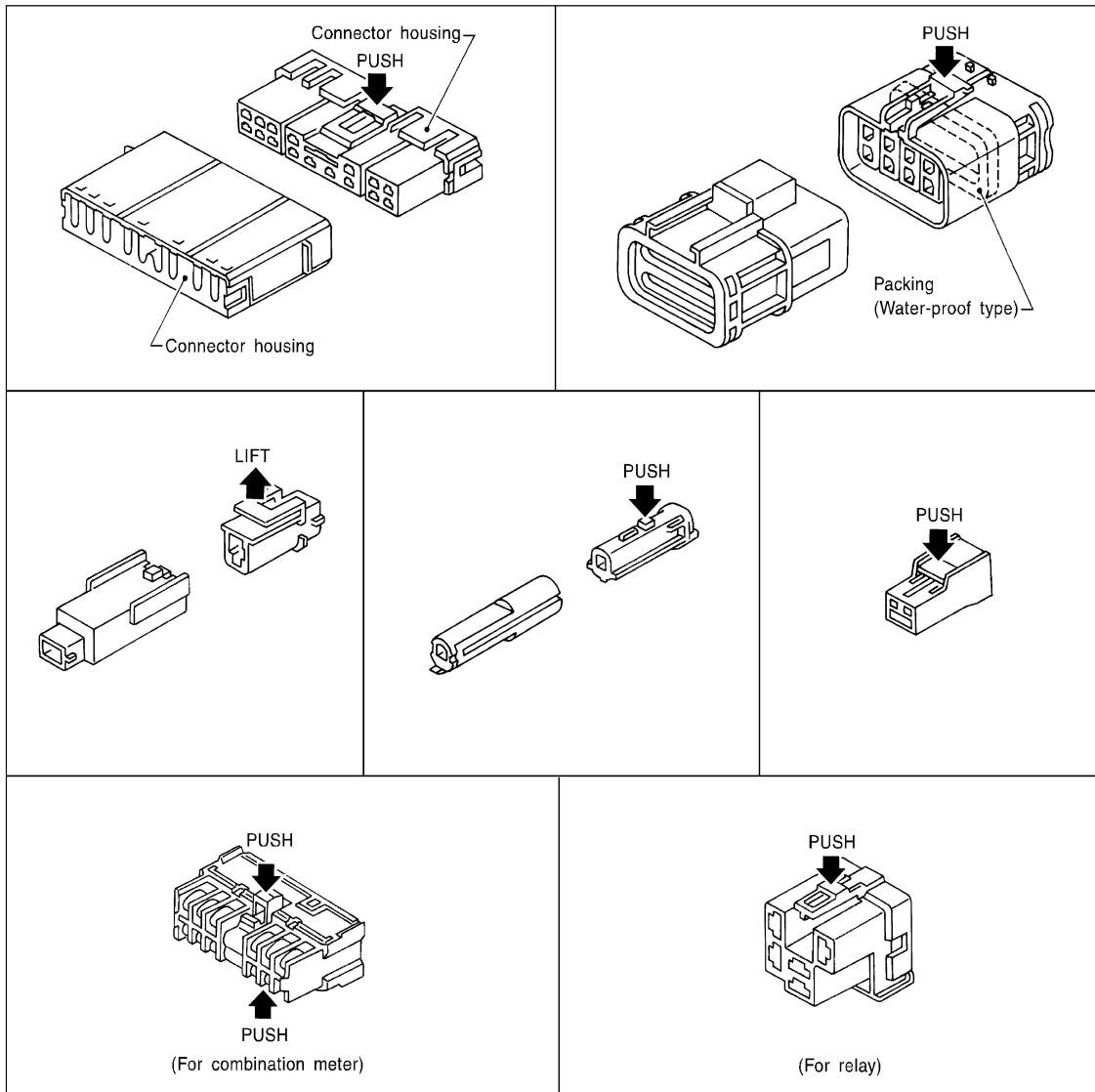
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COMPONENT PARTS

< SYSTEM DESCRIPTION >

[Example]



SEL769DA

HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

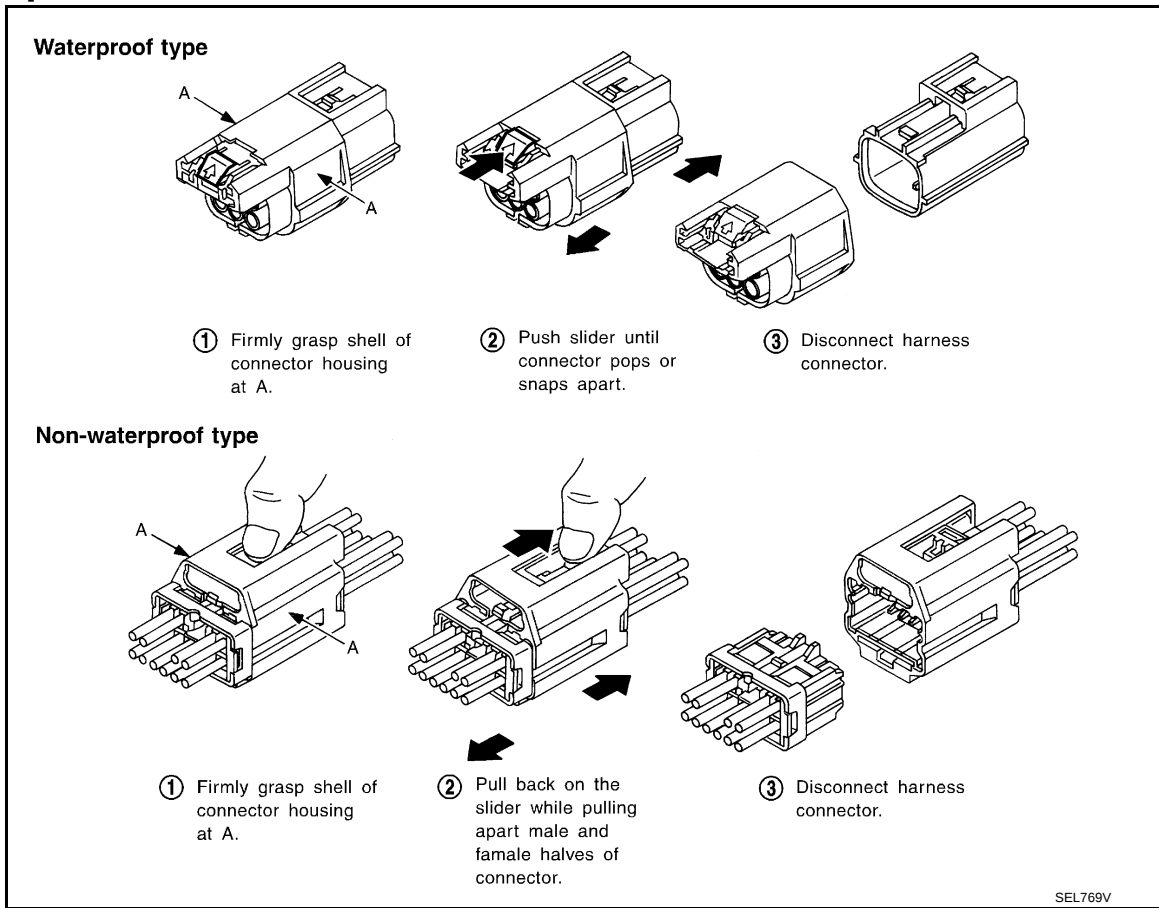
CAUTION:

- **Never pull the harness or wires when disconnecting the connector.**
- **Be careful not to damage the connector support bracket when disconnecting the connector.**

COMPONENT PARTS

< SYSTEM DESCRIPTION >

[Example]



HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

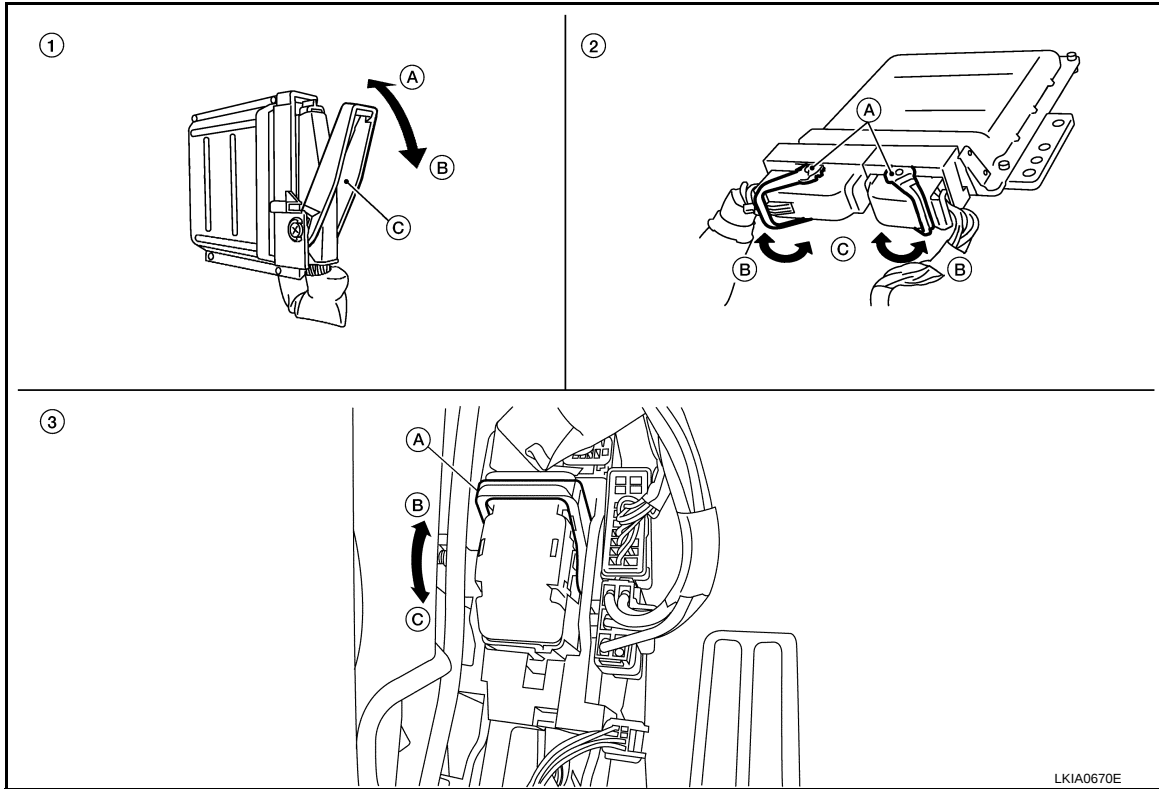
CAUTION:

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COMPONENT PARTS

< SYSTEM DESCRIPTION >

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



- ① Control unit with single lever
 (A) Fasten
 (B) Loosen
 (C) Lever

- ② Control unit with dual levers
 (A) Levers
 (B) Fasten
 (C) Loosen

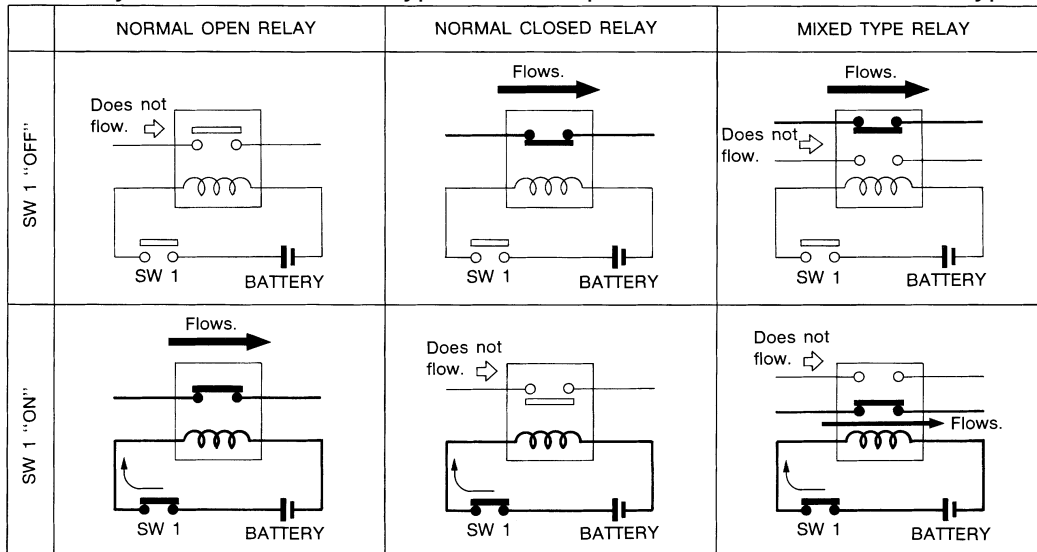
- ③ SMJ connector
 (A) Lever
 (B) Fasten
 (C) Loosen

Standardized Relay

INFOID:0000000011283412

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



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TYPE OF STANDARDIZED RELAYS

COMPONENT PARTS

< SYSTEM DESCRIPTION >

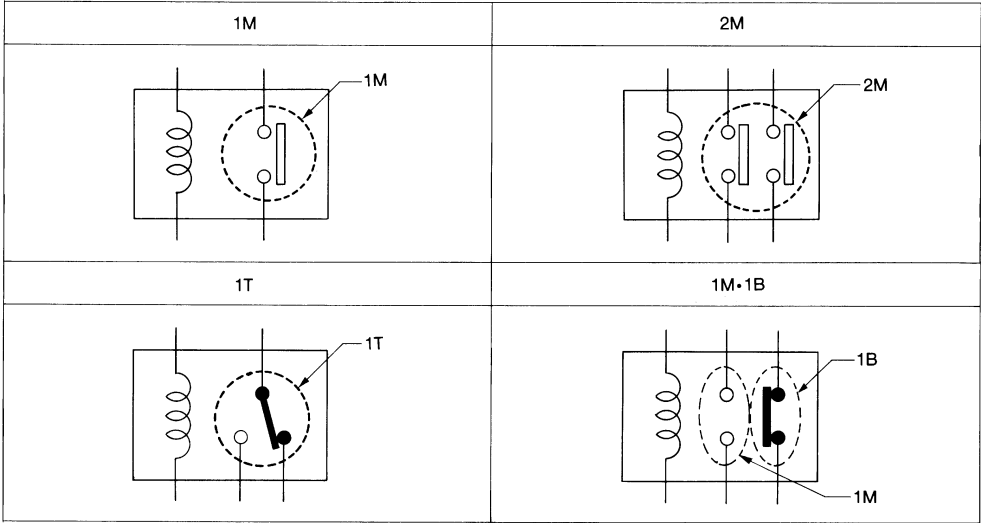
- 1M

1 Make
- 2M

2 Make
- 1T

1 Transfer
- 1M·1B

1 Make 1 Break

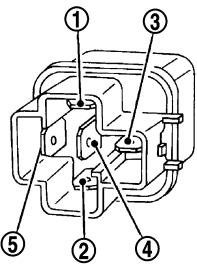
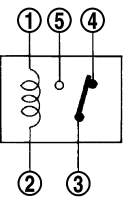
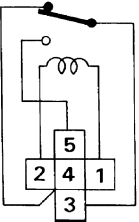
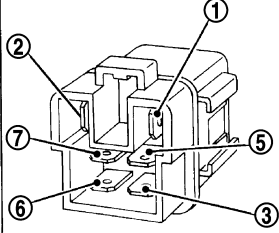
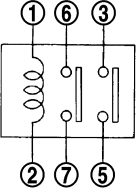
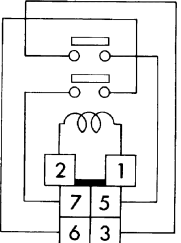
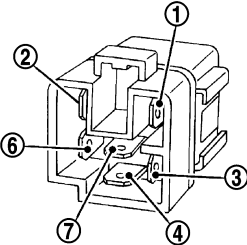
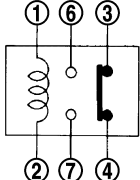
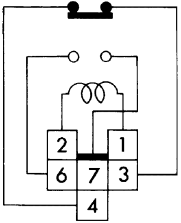
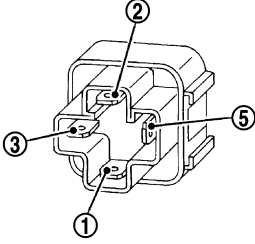
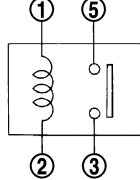
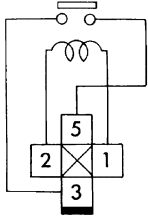
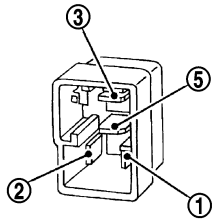
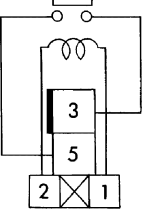


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COMPONENT PARTS

< SYSTEM DESCRIPTION >

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1M				BLACK
				BLUE

The arrangement of terminal numbers on the actual relays may differ from those shown above.

JSMIA1499GB

POWER SUPPLY ROUTING CIRCUIT

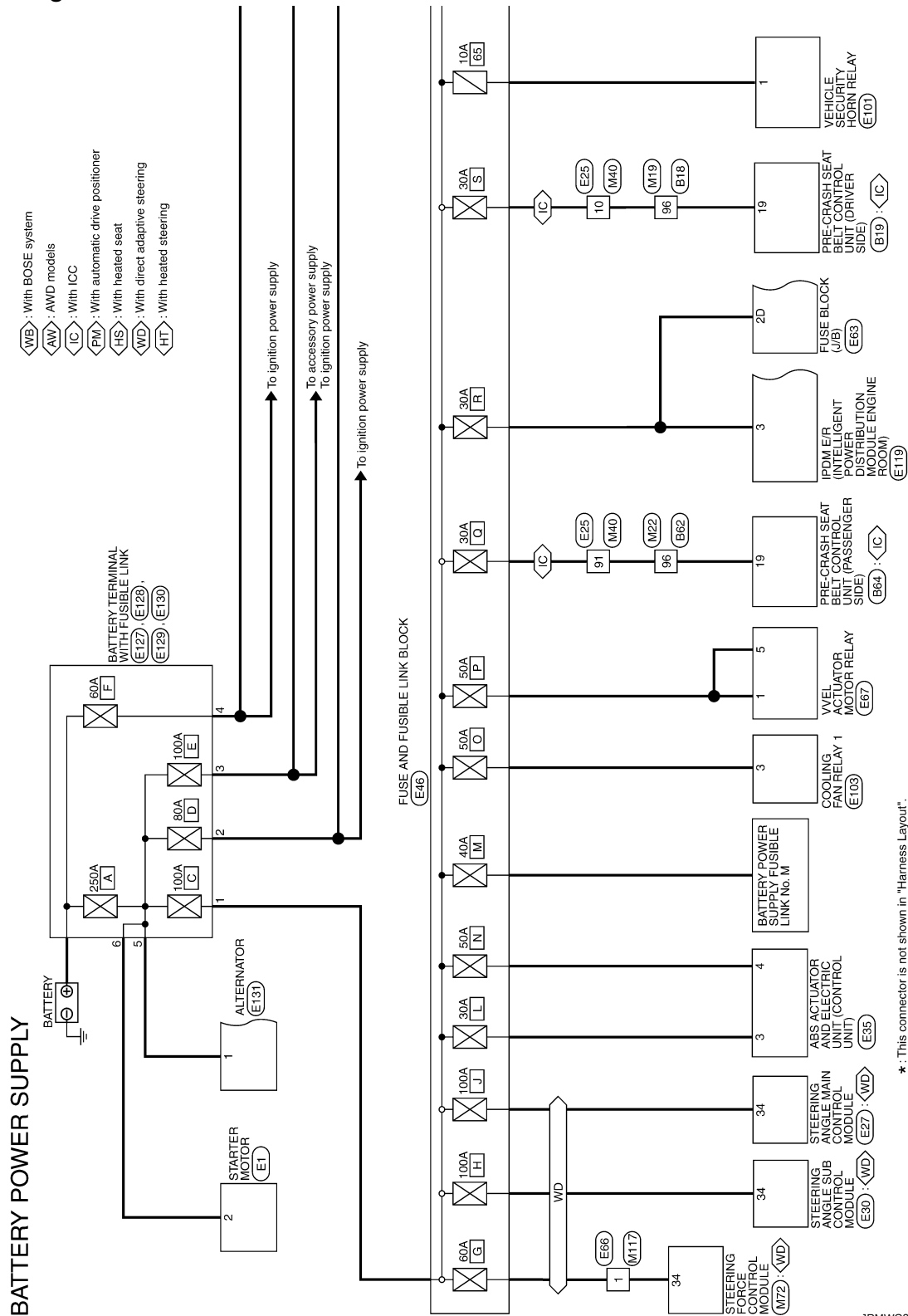
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WIRING DIAGRAM

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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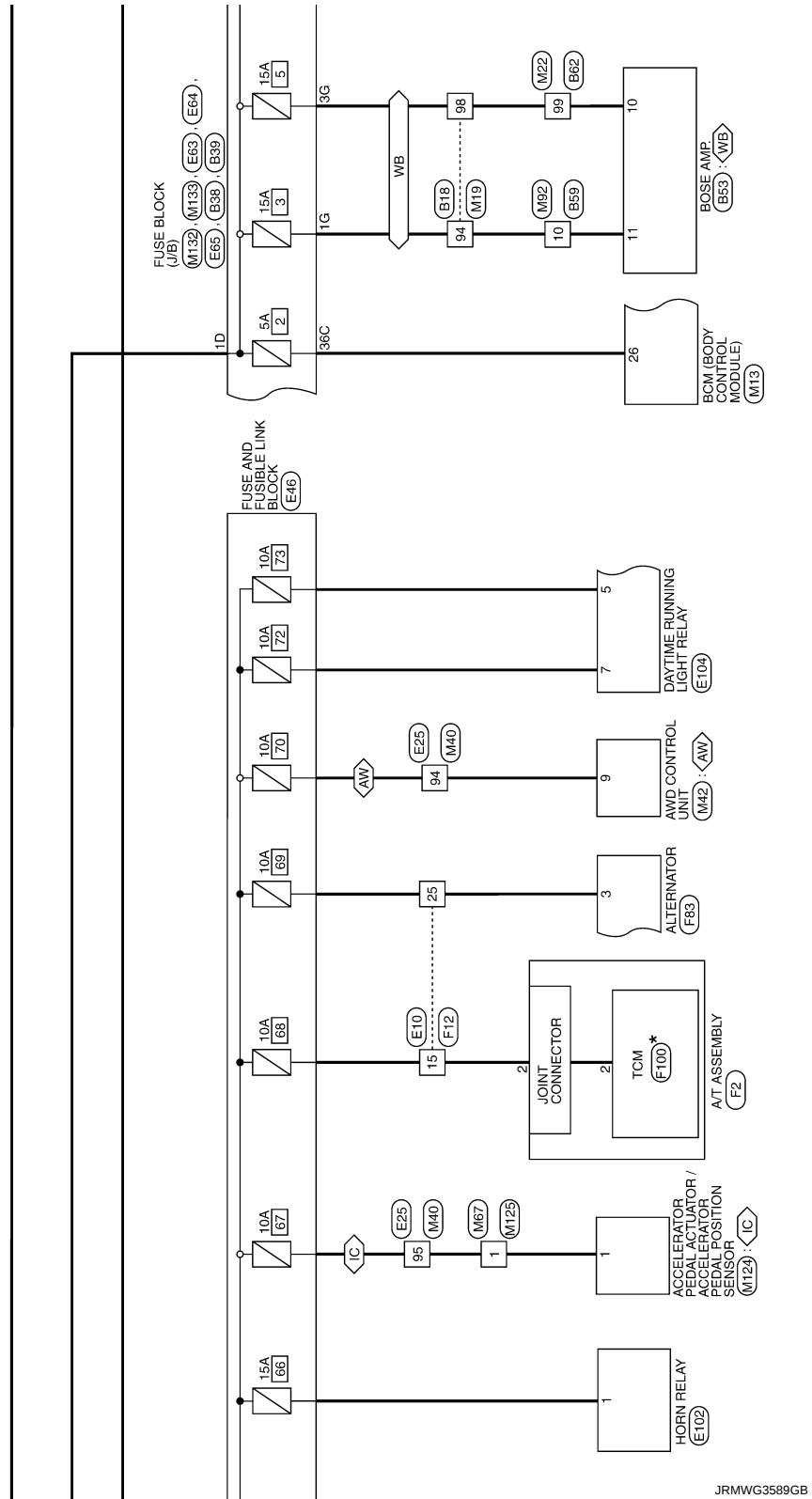


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JRMWG3588GB

POWER SUPPLY ROUTING CIRCUIT

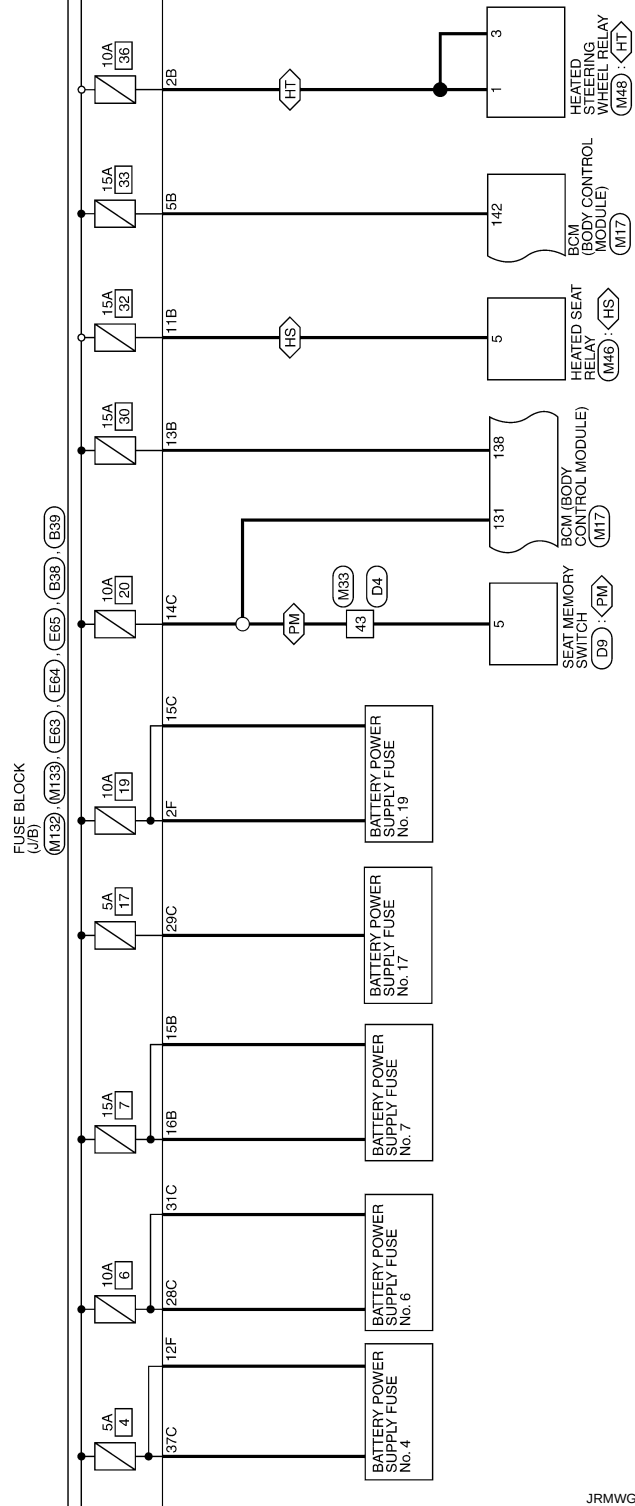
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POWER SUPPLY ROUTING CIRCUIT

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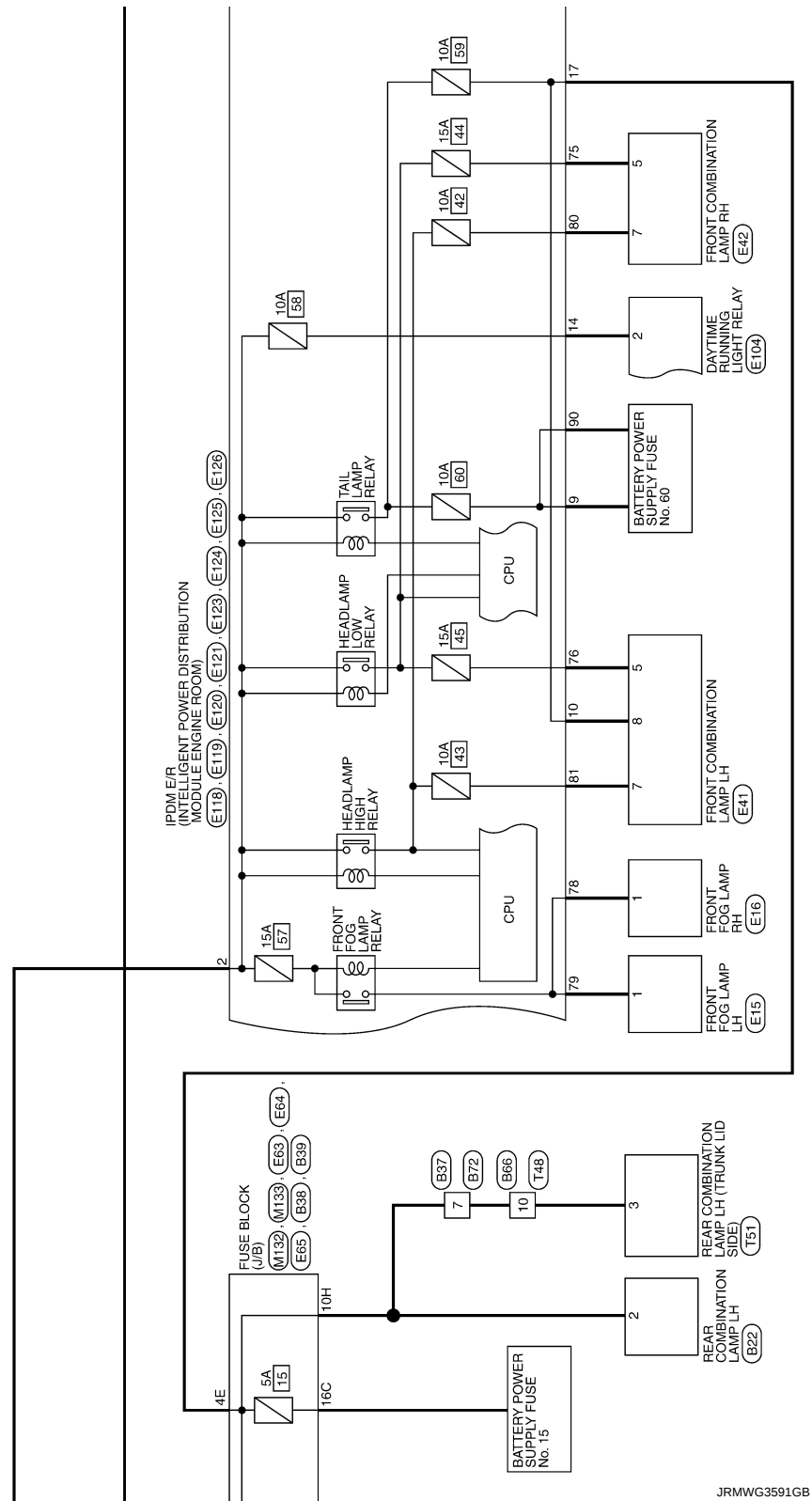


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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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< WIRING DIAGRAM >



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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	NSJ6FW-CS



28	21	5	2	43	1	17
23	7	33	22	45	6	47
48	46					

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	LG	-
5	P	-
6	V	-
7	P	-
17	R	- [Without Gateway]
21	BG	- [Unit Gateway]
22	BR	-
23	BG	-
28	R	-
33	L	-
43	B	-
45	G	-
46	BG	-
47	R	-
48	GR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
4	LG	-
6	R	-

7	V	-
8	LG	-
9	BR	-
10	P	-
11	BG	-
12	LG	-
13	GR	-
24	Y	-
25	W	-
31	B	-
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	GR	-
43	BG	-
44	BG	-
46	R	-
51	SB	-
52	V	-
54	R	-
55	R	-
57	W	-
58	V	-
59	GR	-
62	BG	-
63	BR	-
64	Y	-
65	W	-
70	R	-
71	W	-
72	B	-
74	L	-
75	R	-
76	BR	-
77	B	-
81	B	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
91	GR	-
94	GR	-
96	Y	-
97	V	-
98	BR	-

Connector No.	B19
Connector Name	PRE-CHARGE (EAT BELT CONTROL UNIT (POWER SEE))
Connector Type	TH18FW-CS2



19	10	12	14	6	8	9	20
----	----	----	----	---	---	---	----

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	SIG BAT
2	G	OUT 1
4	R	CAN LO
6	W	BACKLE SW LH NO
8	BR	LOCAL COMM 2
9	SHIELD	SHIELD GND
10	R	SENSOR 1
12	B	OUT 2
14	L	CAN HI
16	Y	LOCAL COMM 1
17	W	SENS GND 1
18	B	SIG GND
19	Y	MOTOR BAT
20	B	MOTOR GND

Connector No.	B22
Connector Name	REAR COMBINATION LAMP (LH BODY SIDE)
Connector Type	NSJ4MW-CS



4	3	2	1
---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	P	-
3	SB	-
4	B	-

Connector No.	B23
Connector Name	REAR COMBINATION LAMP (RH BODY SIDE)
Connector Type	NSJ4MW-CS



4	3	2	1
---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	V	-
4	B	-

Connector No.	B37
Connector Name	WIRE TO WIRE
Connector Type	TH8BMW-NH



1	2	3	4
5	6	7	8

Terminal No.	Color of Wire	Signal Name [Specification]
2	SHIELD	-
3	R	-
4	L	-
5	R	-
7	P	-

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

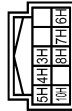
BATTERY POWER SUPPLY

Connector No.	B38
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10PW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1G	GR	-
2G	W	-
3G	BR	-
5G	W	-
6G	G	-

Connector No.	B39
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH10PW-NH



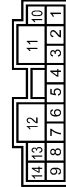
Terminal No.	Color of Wire	Signal Name [Specification]
10H	P	-
3H	L	-
4H	R	-
6H	V	-
7H	L	-
8H	P	-

Connector No.	B50
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BAT
3	LG	IGN
4	P	ACC
19	LG	AV COMM (H)
20	P	AV COMM (L)
23	SHIELD	AV COMM GND
25	RG	REVERSE SIGNAL
27	L	CAN-H
28	P	CAN-L (W/IR ADAS)
28	R	CAN-L (W/IR ASCD)

Connector No.	B53
Connector Name	BOSE AMP
Connector Type	SGAT2FBR-SJA2



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL REAR WOOFER (+)
2	L	SOUND SIGNAL REAR WOOFER (-)
3	L	SOUND SIGNAL FRONT DOOR WOOFER RH (+)
4	Y	SOUND SIGNAL FRONT DOOR WOOFER RH (-)
5	BR	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
6	R	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
7	B	GND
8	V	SOUND SIGNAL FRONT DOOR WOOFER LH (+)
9	P	SOUND SIGNAL REAR DOOR SPEAKER RH (-)
10	BR	BAT
11	GR	BAT

12	B	GND
13	P	SOUND SIGNAL FRONT DOOR WOOFER LH (+)
14	L	SOUND SIGNAL REAR DOOR SPEAKER (+)

Connector No.	B59
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	B	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	P	-

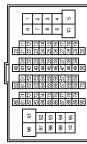
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

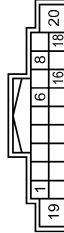
Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH08PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	W	- [With BOSE system]
4	SHIELD	- [Without BOSE system]
5	G	-
6	GR	-
7	BR	- [Without BOSE system]
8	B	- [With BOSE system]
9	Y	- [Without BOSE system]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	GR	-
16	V	-
17	P	-
18	L	-
19	R	-
20	GR	-
21	R	-
22	P	-
23	W	-
24	V	-
25	SB	-
26	G	-
28	LG	-
29	P	-
30	LG	-
35	R	-
37	R	-
38	W	-
39	W	-
45	G	-
46	SHIELD	-

47	G	-
48	BG	-
49	G	-
52	Y	-
53	R	-
54	GR	-
57	R	-
58	P	-
59	LG	-
62	P	-
63	L	-
64	W	-
66	LG	-
68	L	-
69	P	-
71	R	-
72	G	-
73	SHIELD	-
76	GR	-
84	GR	-
86	GR	-
87	LG	-
88	LG	-
90	V	-
92	W	-
93	R	-
94	R	-
95	Y	-
96	W	-
97	L	-
99	BR	-
100	BR	-

Connector No.	B64
Connector Name	FIRE CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE)
Connector Type	TH18PW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	SIG BAT
6	LG	BACKLE SW RH NO
8	BR	LOCAL COMM 2

16	Y	LOCAL COMM 1
18	B	-
19	W	MOTOR BAT
20	B	MOTOR GND

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS1 (BMW-CS)



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	- [With back view monitor]
13	SHIELD	- [With around view monitor]
14	W	- [With back view monitor]
14	B	- [With back view monitor]
15	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With back view monitor]
16	B	- [With around view monitor]
16	R	- [With back view monitor]

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SG	-
2	R	-
3	V	-
4	SB	-
5	G	-

Connector No.	B72
Connector Name	WIRE TO WIRE
Connector Type	TH08PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	SHIELD	-
3	R	-
4	L	-
5	R	-
7	P	-

Connector No.	B83
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	V	-
4	SB	-
5	G	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	B601
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH22FW-NH



1	2	3	4	5	6	7	8	9	10	11	12
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Terminal No.	Color of Wire	Signal Name [Specification]
34	L	BAT (B7G)
35	V	SLIDE MOTOR (BACKWARD)
36	Y	RECLINER MOTOR (FORWARD)
38	O	TLT MOTOR (DOWNWARD)
39	P	SLIDE MOTOR (FORWARD)
39	W	RECLINER MOTOR (BACKWARD)
40	GY	TLT MOTOR (UPWARD)
41	L	REAR LIFTER MOTOR (UPWARD)
42	G	REAR LIFTER MOTOR (DOWNWARD)
43	B	OND

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	BR	UART (TX/RX)
3	R	START SW
4	P	PULSE (RECLINER)
5	V	PULSE (TELESCOPE)
6	GY	ADDRESS 2
7	G	IND 1
8	W	SLIDE SW (FORWARD)
9	V	RECLINER SW (BACKWARD)
10	O	TLT SW (DOWNWARD)
11	G	LIFTER SW (DOWNWARD)
12	SB	POWER SUPPLY (ENCODER)
17	P	CAN-L
18	LG	PULSE (SLIDE SENSOR)
19	W	PULSE (LIFTER FRONT)
20	GY	PULSE (LIFTER REAR)
21	SB	PULSE (TLT SENSOR)
22	O	ADDRESS 1
23	W	IND 1
24	P	SLIDE SW (FORWARD)
25	Y	RECLINER SW (FORWARD)
26	GY	TLT SW (UPWARD)
27	L	LIFTER SW (UPWARD)
28	Y	SET SW

Connector No.	B608
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS24FW-CS



Connector No.	B600
Connector Name	WIRE TO WIRE
Connector Type	NS18MH-CS



17	1	43	2	5	21	28		
46	48	47	6	45	22	33	7	23

Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-
5	-	-
6	-	-
7	-	-
17	-	-
21	-	-
23	-	-
28	-	-
33	-	-
43	-	-
45	-	-
46	-	-
47	-	-
48	-	-

Connector No.	B602
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS12FW-CS



33	34	35	36
38	39	40	41

Terminal No.	Color of Wire	Signal Name [Specification]
33	-	-
43	-	-
54	-	-
55	-	-



55	54
33	43

Connector No.	B610
Connector Name	BACK SIDE SUPPORT ASSEMBLY
Connector Type	NS36FW-CS

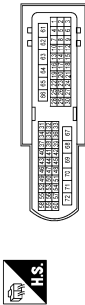
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
6	V	-
7	G	-
8	GR	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	B	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-
25	BR	-
26	R	-
27	BR	-
28	V	-
29	B	-
30	W	-
31	GR	-
32	Y	-
33	BR	-
34	L	-
35	R	-
36	GR	-
37	G	-
40	P	-
41	L	-
43	BG	-
44	Y	-
46	W	-
47	R	-
49	BR	-

Connector No.	E1
Connector Name	STARTER MOTOR
Connector Type	24248 51E1



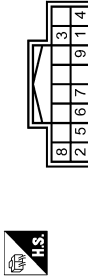
Terminal No.	Color of Wire	Signal Name [Specification]
2	B/Y	-

Connector No.	E10
Connector Name	WIRE TO WIRE
Connector Type	SXA3MB-RSS-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
6	SH	-
8	G	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	L	-
14	G	-
15	LG	-
16	BR	-
17	L	-
18	P	-
19	GR	-
20	G	-
21	V	-

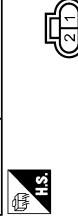
Connector No.	D9
Connector Name	SEAT MEMORY SWITCH
Connector Type	TH16FW-N4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	BR	-
3	GR	-
4	B	-
5	BG	-
6	W	-
7	P	-
8	L	-
9	G	-

22	Y	-
23	L	-
24	GR	-
25	V	-
26	BR	-
27	W	-
28	V	-
29	BR	-
30	R	-
31	P	-
32	G	-
33	B	-
34	BG	-
35	LG	-
36	W	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	L	-
42	LG	-
43	G	-
44	Y	-
45	Y	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

Connector No.	E15
Connector Name	FRONT FOG LAMP LH
Connector Type	FH202FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

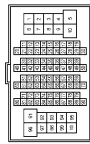
BATTERY POWER SUPPLY

Connector No.	E18
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	THB0FY-C516-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
6	V	-
7	L	-
10	BR	-
11	LG	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
37	V	-
38	L	-

39	Y	-
40	SB	-
41	G	-
44	Y	-
45	W	-
46	B	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-
57	BG	-
58	B	-
59	W	-
61	R	-
62	SB	-
63	G	-
64	Y	-
65	SB	-
66	GR	-
67	LG	-
68	BG	-
71	LG	-
72	V	-
73	G	-
74	BR	-
75	V	-
78	P	-
79	SB	-
83	R	-
86	BG	-
91	G	-
92	Y	-
94	GR	-
95	LG	-
96	W	-
97	LG	-
98	L	-
99	P	-
100	SHIELD	-

Connector No.	E27
Connector Name	STEERING ANGLE MAIN CONTROL MODULE
Connector Type	Y02FE-1V



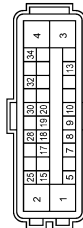
Terminal No.	Color of Wire	Signal Name [Specification]
33	B	GROUND
34	R	BATTERY POWER SUPPLY

Connector No.	E30
Connector Name	STEERING ANGLE SUB CONTROL MODULE
Connector Type	Y02FE-1V



Terminal No.	Color of Wire	Signal Name [Specification]
33	B	GROUND
34	G	BATTERY POWER SUPPLY

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	S4Z30PB-SJZ4-J



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND

3	G	VALVE BATTERY
4	LG	MOTOR BATTERY
7	GR	STOCHASTIC SIGNAL
8	G	RR LH WHEEL SENSOR SIGNAL
9	GR	RR LH WHEEL SENSOR POWER SUPPLY
10	BR	FR RH WHEEL SENSOR SIGNAL
13	R	FR RH WHEEL SENSOR POWER SUPPLY
15	P	VACUUM SENSOR SIGNAL
17	Y	CAN-L
18	V	RR RH WHEEL SENSOR SIGNAL
19	SB	RR RH WHEEL SENSOR POWER SUPPLY
20	BQ	FR LH WHEEL SENSOR SIGNAL
25	L	FR LH WHEEL SENSOR POWER SUPPLY
28	G	CAN-H
30	R	VACUUM SENSOR POWER SUPPLY
32	SHIELD	VDC OFF SW SIGNAL
34	G	VACUUM SENSOR GROUND
		IGN

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A
B
C
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F
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J
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PG
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P

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	E38
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18EF-AJ2S-RH



1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VVEL ACTUATOR MOTOR POWER SUPPLY (BANK 2)
2	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 2)
3	G	VVEL ACTUATOR SHIFTER POSITION SENSOR 1 (BANK 2)
4	W	SENSOR GROUND (VVEL CONTROL SHIFTER POSITION SENSOR 1 (BANK 2))
5	R	VVEL CONTROL SHIFTER POSITION SENSOR 2 (BANK 2)
6	B	SENSOR GROUND (VVEL CONTROL SHIFTER POSITION SENSOR 2 (BANK 2))
7	SB	POWER SUPPLY FOR VVEL CONTROL MODULE
8	B/G	ENGINE COMMUNICATION LINE
9	L/G	SENSOR POWER SUPPLY (VVEL CONTROL SHIFTER POSITION SENSOR 1 (BANK 2))
10	GR	ENGINE COMMUNICATION LINE
11	G	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 1)
12	Y	VVEL ACTUATOR MOTOR POWER SUPPLY (BANK 1)
13	B/W	VVEL CONTROL MODULE GROUND
14	L/Y	VVEL ACTUATOR MOTOR (LOW LIFT) (BANK 2)
15	R	VVEL ACTUATOR SHIFTER POSITION SENSOR 2 (BANK 1)
16	B	SENSOR GROUND (VVEL CONTROL SHIFTER POSITION SENSOR 2 (BANK 1))
17	L	VVEL CONTROL SHIFTER POSITION SENSOR 1 (BANK 1)
18	G	VVEL ACTUATOR SHIFTER POSITION SENSOR 2 (BANK 2)
19	W	SENSOR GROUND (VVEL CONTROL SHIFTER POSITION SENSOR 2 (BANK 2))
20	BR	VVEL ACTUATOR MOTOR RELAY
21	Y	VVEL ACTUATOR MOTOR RELAY
22	P	SENSOR POWER SUPPLY (VVEL ACTUATOR SENSOR 2 (BANK 1))
23	Y	VVEL ACTUATOR MOTOR RELAY
24	L	ENGINE COMMUNICATION LINE
25	BR	VVEL CONTROL MOTOR (LOW LIFT) (BANK 1)

Connector No.	E41
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FB-FR



1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	X	-
3	B/Y	-
4	B/W	-
5	V	-
7	P	-
8	LG	-

Connector No.	E42
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-FR



1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	B/Y	-
4	B/W	-
5	R	-
7	BR	-
8	P	-

Connector No.	E45
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RS03FBR



1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	B/G	-

Connector No.	E46
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24384-4C40A



Q	R	S	G	H	I	J	K	L	M	N	O	P
A	A	A	A	A	A	A	A	A	A	A	A	A
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

Terminal No.	Color of Wire	Signal Name [Specification]
65	GR	-
66	SB	-
67	B/G	-
68	LG	-
69	GR	-
70	GR	-
71	P	-
72	P	-
73	P	-
74	G	-
75	L	-
76	H	-
77	R	-
78	R	-
79	M	-
80	W	-
81	Y	-
82	N	-
83	O	-
84	BR	-
85	P	-
86	SB	-
87	G	-
88	GR	-
89	S	-

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Type	TH32MM-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-
3	L	-

4	P	-
7	R	-
8	W	-
13	G	-
15	BR	-
17	W	-
18	B/G	-
27	LG	-
28	BR	-
29	W	-
30	Y	-
31	G	-
32	LG	-

Connector No.	E52
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS02FL-W2-LG



3	5	1
2	X	1

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	V	-
5	L	-

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	E37
Connector Name	STOP LAMP SWITCH
Connector Type	MS04FW-LG

Terminal No.	1	2	3	4
Color of Wire	G	L	G	V
Signal Name [Specification]	- [With AGSD]	- [With ICC]	- [With AGSD]	- [With ICC]

Terminal No.	1	2	3	4
Color of Wire	G	L	GR	V
Signal Name [Specification]	- [With AGSD]	- [With ICC]	- [With AGSD]	- [With ICC]

Connector No.	E63
Connector Name	FUSE BLOCK (J/B)
Connector Type	L02FB-MG

Terminal No.	1D	2D
Color of Wire	W	GR
Signal Name [Specification]	-	-

Terminal No.	1D	2D
Color of Wire	W	GR
Signal Name [Specification]	-	-

Connector No.	E64
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-CS

Terminal No.	1E	2E	3E	4E
Color of Wire	W	GR	W	GR
Signal Name [Specification]	-	-	-	-

Terminal No.	3E	4E	6E
Color of Wire	V	GR	L
Signal Name [Specification]	-	-	-

Connector No.	E65
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH1ZFW-NH

Terminal No.	1F	2F	3F	4F	5F	6F	7F	8F	9F
Color of Wire	W	GR	W	GR	W	GR	W	GR	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-

Terminal No.	11F	12F	1F	2F	3F	5F	6F	7F	8F	9F
Color of Wire	G	W	V	BR	P	P	L	R	L	L
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-

Connector No.	E66
Connector Name	WIRE TO WIRE
Connector Type	L01FB-MG

Terminal No.	1
Color of Wire	L
Signal Name [Specification]	-

Terminal No.	1
Color of Wire	L
Signal Name [Specification]	-

Connector No.	E67
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24384-8F500

Terminal No.	1	2	3	5
Color of Wire	L	Y	W	SB
Signal Name [Specification]	-	-	-	-

Terminal No.	1	2	3	5
Color of Wire	L	Y	W	SB
Signal Name [Specification]	-	-	-	-

Connector No.	E101
Connector Name	VEHICLE SECURITY HORN RELAY
Connector Type	24384-4G40A

Terminal No.	1	2
Color of Wire	GR	Y
Signal Name [Specification]	-	-

Terminal No.	1	2	3
Color of Wire	GR	BG	Y
Signal Name [Specification]	-	-	-

Connector No.	E102
Connector Name	HORN RELAY
Connector Type	24384-4G40A

Terminal No.	1	2	3
Color of Wire	L	W	GR
Signal Name [Specification]	-	-	-

Terminal No.	2	3
Color of Wire	SB	V
Signal Name [Specification]	-	-

Connector No.	E103
Connector Name	COOLING FAN RELAY 1
Connector Type	24384-4G40A

Terminal No.	1	2	3	5
Color of Wire	SB	Y	W	SB
Signal Name [Specification]	-	-	-	-

Terminal No.	2	3	5
Color of Wire	SB	BR	R
Signal Name [Specification]	-	-	-

Connector No.	E104
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	24384-4G40A

Terminal No.	2	3	5
Color of Wire	SB	BR	R
Signal Name [Specification]	-	-	-

Terminal No.	1	2	3	5	6	7
Color of Wire	L	W	GR	P	Y	G
Signal Name [Specification]	-	-	-	-	-	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	E118
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LS02FB-MC



1	2
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-

Connector No.	E119
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	MD04FW-LG



3

Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-

Connector No.	E120
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12PW-CS



7		9	10	11
	13	14	15	17
				18

Terminal No.	Color of Wire	Signal Name [Specification]
7	B/W	-
9	P	-
10	LG	-

11	V	-
12	Y	-
14	SB	-
15	X	-
17	GR	-
18	L	-

Connector No.	E121
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH13ZFW-NH



19	22	23	27	28	29	31	33	34
35	36	37	38	41	43	44	46	

Terminal No.	Color of Wire	Signal Name [Specification]
19	P	-
22	BG	-
23	LG	-
27	GR	-
28	P	-
29	L	-
31	G	-
33	SB	-
34	Y	-
35	G	-
36	SB	-
37	GR	-
38	BR	-
41	GR	-
43	V	-
44	GR	-
46	R	-

Connector No.	E123
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS10PW-CS



52	53		54	55
56	57	58	59	61

Terminal No.	Color of Wire	Signal Name [Specification]
52	G	-
53	BR	-
54	Y	-
55	W	-
56	L	-
57	SB	-
58	V	-
59	V	-
61	GR	-

Connector No.	E124
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FW-NH



69	70	71	72
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Terminal No.	Color of Wire	Signal Name [Specification]
69	BG	-
70	P	-
71	Y	-
72	P	-

Connector No.	E125
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08PW-CS



74		75	76
	78	79	80
		81	

Terminal No.	Color of Wire	Signal Name [Specification]
74	G	-
75	R	-
76	V	-
78	W	-
79	L	-
80	BR	-
81	P	-

Connector No.	E126
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH10FW-NH



85	86	89	93	96
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Terminal No.	Color of Wire	Signal Name [Specification]
85	B	-
86	W	-
89	P	-

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BATTERY POWER SUPPLY

Connector No.	E127
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FBR-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	L	-



Terminal No.	Color of Wire	Signal Name [Specification]
5	R	-

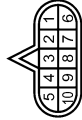
Connector No.	E130
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340 79908



Terminal No.	Color of Wire	Signal Name [Specification]
6	B/Y	-



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	IGNITION POWER SUPPLY
2	P	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	L	CAN-H
4	L.G	K-LINE

5	B	GROUND
6	GR	
7	BG	IGNITION POWER SUPPLY BACK-UP LAMP RELAY
8	P	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

Connector No.	F7
Connector Name	ECM
Connector Type	RH40FB-R28-L-IH-Z



48	44	40		32	28	24	20	16	12	8	4
47	43		35	31			19	15	11		3
46			38	34	30		22	18	14		2
			37	33	29	25	21	17		5	1

Terminal	Color wire size	Signal Name (Specification)
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MODULE (BANK 1) OPEN
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 1)
4	BR	THROTTLE CONTROL MOTOR POWER (BANK 1) CLOSE
5	GR	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
14	Y	FUEL PUMP CONTROL MODULE (FCM)
15	V	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	Y	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
19	GR	IGNITION SIGNAL No. 1
20	Y	IGNITION SIGNAL No. 1
21	GR	FPMW COUNTER VALUE CONTROL SOLINOID VALVE
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	BG	THROTTLE CONTROL MOTOR RELAY
28	B	INPAE ACTUATOR VALVE RELAY ABOUT INPAE VALVE CONTROL MOUNTABLE
29	G	INPAE VALVE THERMOCONTROL SOLENOID VALVE CONTROL MOUNTABLE
30	W	THROTTLE POSITION SENSOR 1 (BANK 1)
31	P	THROTTLE POSITION SENSOR 1 (BANK 2)
32	W	FUEL PUMP CONTROL MODULE FPMW CHECK
33	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
34	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	SB	THROTTLE POSITION SENSOR 2 (BANK 2)
36	Y	HEATED OXYGEN SENSOR 1 HEATER (BANK 1)
38	P	MANIFOLD ABSOLUTE PRESSURE MAP SENSOR
40	R	SENSOR GROUND (THROTTLE POSITION SENSOR (BANK 1))

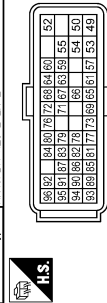
43	BR	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR /BANK 2]
44	G	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR /BANK 1]
46	R	SENSOR POWER SUPPLY [CRANKSHAFT POSITION SENSOR]
47	Y	SENSOR GROUND [CRANKSHAFT POSITION SENSOR]
48	SB	SENSOR GROUND [THROTTLE POSITION SENSOR /BANK 2]

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

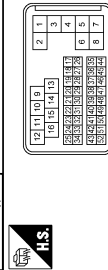
Connector No.	F8
Connector Name	ECM
Connector Type	RH40FER-R2Z-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
49	GR	THROTTLE CONTROL MOTOR (BANK 2) (CLOSE)
50	W	THROTTLE CONTROL MOTOR (BANK 2) (OPEN)
52	R	THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 2)
53	G	IGNITION SWITCH
54	Y	ENGINE COMMUNICATION LINE
55	LG	ENGINE COMMUNICATION LINE
56	LG	A/F SENSOR (BANK 1)
59	SB	CAMSHAFT POSITION SENSOR (BANK 1)
60	GR	CAMSHAFT POSITION SENSOR (BANK 2)
61	R	A/F SENSOR 1 (BANK 1)
63	L	CAMSHAFT POSITION SENSOR (BANK 2)
64	W	SENSOR GROUND (KNOCK SENSOR)
65	LG	A/F SENSOR 1 (BANK 2)
66	V	A/F SENSOR 1 (BANK 2)
67	P	INTAKE AIR TEMPERATURE SENSOR
68	LG	SENSOR GROUND (KNOCK SENSOR)
69	W	ENGINE COOLANT TEMPERATURE SENSOR
71	Y	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND (KNOCK SENSOR)
73	W	KNOCK SENSOR (BANK 1)
76	W	HEATED OXYGEN SENSOR 2 (BANK 1)
77	SB	MASS AIR FLOW SENSOR (BANK 1)
78	BR	ENGINE OIL TEMPERATURE SENSOR
79	G	MASS AIR FLOW SENSOR (BANK 2)
80	GR	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	FUEL INJECTOR No. 6
82	V	FUEL INJECTOR No. 6
83	RG	BATTERY TEMPERATURE SENSOR
84	B	FUEL INJECTOR No. 2
85	BR	FUEL INJECTOR No. 5
86	W	POWER STEERING PRESSURE SENSOR
87	Y	FUEL INJECTOR No. 1
89	GR	FUEL INJECTOR No. 1
90	BG	FUEL INJECTOR No. 4
91	R	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND (CAMSHAFT POSITION SENSOR (BANK 2))
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND (MASS AIR FLOW SENSOR (BANK 2))

95	B	GNDA CURSEN
96	BR	GNDA PHASE1/PS

Connector No.	F12
Connector Name	WIRE TO WIRE
Connector Type	SAA38FF-RSS-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L77	—
2	SHIELD	—
3	SHIELD	—
4	SHIELD	—
5	BR	—
6	GR	—
7	G	—
8	W	—
9	W	—
10	G	—
11	R	—
12	P	—
13	L	—
14	LG	—
15	P	—
16	Y	—
17	L	—
18	P	—
19	GR	—
20	BG	—
21	W	—
22	W	—
23	Y	—
24	LG	—
25	V	—
26	W	—
27	V	—
28	BR	—
29	LG	—
30	R	—
31	P	—
32	GR	—
33	B	—
34	BG	—

35	LG	—
36	SB	—
37	SHIELD	—
38	W	—
39	Y	—
40	G	—
41	B	—
42	GR	—
43	R	—
44	BG	—
45	Y	—
46	SHIELD	—
47	W	—
48	LG	—
49	L	—
50	R	—
51	SB	—
52	G	—

Connector No.	F20
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	—
4	R	—
5	B	—
9	W	—
10	BG	—
11	Y	—
12	W	—
13	Y	—
14	GR	—
21	LG	—
22	B	—
31	BG	—
32	Y	—
34	BG	—

Connector No.	F22
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH4AMB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	—
2	LG	—
3	SB	—
4	BG	—

Connector No.	F23
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH4AMB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	—
2	R	—
3	P	—
4	W	—

JRMWG3603GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	F35
Connector Name	MASS AIR FLOW SENSOR (BANK1)
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-
3	SB	-
4	LG	-
5	Y	-

Connector No.	F38
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK1)
Connector Type	RH04EDGY-P



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	R	-
3	W	-
4	Y	-

Connector No.	F45
Connector Name	EVAP CANISTER PURGE VALVE CONTROL SOLENOID VALVE
Connector Type	ED2FC-RS-LOY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	POWER
2	GR	GND

Connector No.	F47
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK)
Connector Type	ED2FC-RS-LOY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	F53
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK)
Connector Type	ED2FC-RS-LOY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BQ	-

Connector No.	F56
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK2)
Connector Type	RH04EDGY-P



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	GR	-
4	Y	-

Connector No.	F65
Connector Name	MASS AIR FLOW SENSOR (BANK2)
Connector Type	RH03FB



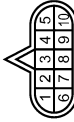
Terminal No.	Color of Wire	Signal Name [Specification]
3	G	-
4	Y	-
5	GR	-

Connector No.	F68
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-
4	W	-

Connector No.	F100
Connector Name	TCM
Connector Type	SP10FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

JRMWG3604GB

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< WIRING DIAGRAM >

Terminal	Color of Wire	Signal Name (Specification)
129	L	INT ROOM LAMP PWR SWLY
130	P	INT ROOM LAMP PWR SWLY
131	Y	PASS DOOR UNLK OUTPUT
132	V	BAT (FUSE)
133	Y	RR LR DOOR LK OUTPUT
134	BR	RR LR DOOR UNLK OUTPUT
135	B	RR LR DOOR UNLK OUTPUT
136	V	FRONT DOOR FLID LK OUTPUT
137	P	INT ROOM LAMP CONT
138	L	FRONT DOOR FLID UNLK OUTPUT
139	W	REAR DOORS ACT PWR SWLY
140	W	BAT F/L
141	GR	IGN ON
142	R	PWR SHLT (BAT)
143	R	FRONT DOORS FLID ACT PWR SWLY
144	R	FRONT DOORS FLID ACT PWR SWLY

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
4	BR	-
5	R	-
6	W	-
7	W	-
8	Y	-
9	EG	-
10	P	-
11	BR	-
12	LG	-
13	GR	-
24	Y	-
25	W	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	EG	-
44	BR	-
46	EG	-
51	Y	-
52	V	-
54	R	-
55	R	-
57	W	-
58	V	-
59	EG	-
62	EG	-
63	BR	-
64	Y	-

65	W	-
70	G	-
72	W	-
73	B	-
74	L	-
75	W	-
76	BR	-
77	B	-
81	B	-
83	EG	-
84	L	-
85	W	-
86	B	-
88	G	-
91	GR	-
94	GR	-
96	W	-
97	V	-
98	BR	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS16-TM4



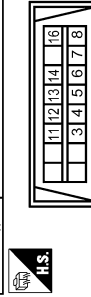
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-
3	R	-
4	SHIELD	-
5	G	-
6	BR	-
7	LG	-
8	P	-
9	SHIELD	-
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	P	-
16	SB	- [With DCM] - [Without DCM]

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-H4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
3	W	BATTERY
4	L	CAN-H
5	B	GND
6	L	CAN-H
7	P	CAN-L
8	R	IGN
9	R	CAN-L
11	B	GND
12	R	CAN-L

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	SB	AV COMM (L)
4	B	EARTH
5	B	CAN-H
6	L	CAN-H
7	V	KLIN
8	W	IGN SW
11	LG	AV COMM (H)
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

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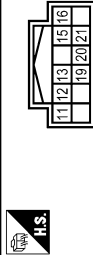
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

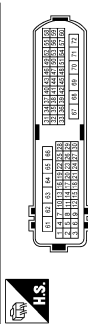
BATTERY POWER SUPPLY

Connector No.	M31
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH17PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
11	W	AUX SOUND SIGNAL LH
12	R	AUX SOUND SIGNAL GND
13	B	AUX SOUND SIGNAL RH
15	B	GND
16	Y	BATT
18	Y	AUX IMAGE SIGNAL (-)
19	V	AUX IMAGE SIGNAL (+)
21	SB	ACC

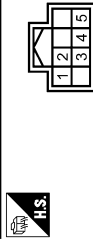
Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
8	GR	—
9	GR	—
10	W	—
11	SHIELD	—
12	P	—
13	SB	—
14	LG	—
15	Y	—
16	Y	—
17	P	—
18	W/B	—
19	LG	— [With DRPO] — [Without DRPO]

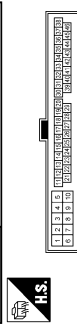
20	V	—
21	B	—
22	BG	— [Without DRPO] — [With DRPO]
23	G	—
24	Y	—
25	BG	— [Without DRPO] — [With DRPO]
26	Y	—
27	GR	—
28	V	—
29	B	—
30	W	—
31	B	—
32	SB	—
33	L	—
34	BR	—
35	LG	—
36	W	—
37	R	—
40	B	—
41	SB	—
43	Y	—
44	BG	—
46	BR	—
47	G	—
49	V	—
50	B	—
52	BR	—
53	B	—
55	BG	—
56	LG	—
57	V	—
58	R	—
59	G	—
60	L	—
61	G	—
62	R	—
63	V	—
64	B	—
65	R	—
66	BR	—
68	P	—
69	V	—
70	W	—
71	LG	—
72	V	—

Connector No.	M35
Connector Name	DRIVE MODE SELECT SWITCH
Connector Type	TH08PW-NH



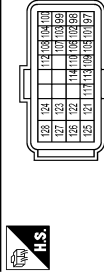
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	—
2	W/B	—
3	SB	—
4	R	—
5	B	—

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	—
4	R	—
5	B	—
7	W	—
8	BG	—
9	R	—
10	R	—
21	LG	—
22	B	—
31	BG	—
32	W	—
34	BG	—

Connector No.	M37
Connector Name	ECM
Connector Type	PH4AFGY-R29-R-1H-Z



Terminal No.	Color of Wire	Signal Name [Specification]
97	Y	ACCELERATOR PEDAL POSITION SENSOR 1
98	BR	ACCELERATOR PEDAL POSITION SENSOR 2
99	W	SENSOR POWER SUPPLY ACCELERATOR PEDAL POSITION SENSOR 1
100	G	SENSOR GROUND ACCELERATOR PEDAL POSITION SENSOR 1
101	SB	ASD/JCG STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESSURE SENSOR
103	L	EVAP CANISTER VENT CONTROL VALVE
104	R	SENSOR GROUND ACCELERATOR PEDAL POSITION SENSOR 2
105	L	REFRIGERANT PRESSURE SENSOR
106	P	FUEL TANK TEMPERATURE SENSOR
107	GR	SENSOR GROUND (ASD/JCG STEERING SWITCH)
108	Y	TRANSMISSION RANGE SWITCH
109	BR	ENGINE SPEED SIGNAL OUTPUT
110	V	GND PDPPRES/FTPRES
112	V	GND COMMUNICATION LINE
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	SB	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BG	POWER SUPPLY FOR ECM
127	B	POWER SUPPLY FOR ECM
128	B	POWER SUPPLY FOR ECM
129	B	POWER SUPPLY FOR ECM
130	B	POWER SUPPLY FOR ECM
131	B	POWER SUPPLY FOR ECM
132	B	POWER SUPPLY FOR ECM
133	B	POWER SUPPLY FOR ECM
134	B	POWER SUPPLY FOR ECM
135	B	POWER SUPPLY FOR ECM
136	B	POWER SUPPLY FOR ECM
137	B	POWER SUPPLY FOR ECM
138	B	POWER SUPPLY FOR ECM
139	B	POWER SUPPLY FOR ECM
140	B	POWER SUPPLY FOR ECM
141	B	POWER SUPPLY FOR ECM
142	B	POWER SUPPLY FOR ECM
143	B	POWER SUPPLY FOR ECM
144	B	POWER SUPPLY FOR ECM
145	B	POWER SUPPLY FOR ECM
146	B	POWER SUPPLY FOR ECM
147	B	POWER SUPPLY FOR ECM
148	B	POWER SUPPLY FOR ECM
149	B	POWER SUPPLY FOR ECM
150	B	POWER SUPPLY FOR ECM
151	B	POWER SUPPLY FOR ECM
152	B	POWER SUPPLY FOR ECM
153	B	POWER SUPPLY FOR ECM
154	B	POWER SUPPLY FOR ECM
155	B	POWER SUPPLY FOR ECM
156	B	POWER SUPPLY FOR ECM
157	B	POWER SUPPLY FOR ECM
158	B	POWER SUPPLY FOR ECM
159	B	POWER SUPPLY FOR ECM
160	B	POWER SUPPLY FOR ECM
161	B	POWER SUPPLY FOR ECM
162	B	POWER SUPPLY FOR ECM
163	B	POWER SUPPLY FOR ECM
164	B	POWER SUPPLY FOR ECM
165	B	POWER SUPPLY FOR ECM
166	B	POWER SUPPLY FOR ECM
167	B	POWER SUPPLY FOR ECM
168	B	POWER SUPPLY FOR ECM
169	B	POWER SUPPLY FOR ECM
170	B	POWER SUPPLY FOR ECM
171	B	POWER SUPPLY FOR ECM
172	B	POWER SUPPLY FOR ECM
173	B	POWER SUPPLY FOR ECM
174	B	POWER SUPPLY FOR ECM
175	B	POWER SUPPLY FOR ECM
176	B	POWER SUPPLY FOR ECM
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191	B	POWER SUPPLY FOR ECM
192	B	POWER SUPPLY FOR ECM
193	B	POWER SUPPLY FOR ECM
194	B	POWER SUPPLY FOR ECM
195	B	POWER SUPPLY FOR ECM
196	B	POWER SUPPLY FOR ECM
197	B	POWER SUPPLY FOR ECM
198	B	POWER SUPPLY FOR ECM
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360	B	POWER SUPPLY FOR ECM
361	B	POWER SUPPLY FOR ECM
362	B	POWER SUPPLY FOR ECM
363	B	POWER SUPPLY FOR ECM
364	B	POWER SUPPLY FOR ECM
365	B	POWER SUPPLY FOR ECM
366	B	POWER SUPPLY FOR ECM
367	B	POWER SUPPLY FOR ECM
368	B	POWER SUPPLY FOR ECM
369	B	POWER SUPPLY FOR ECM
370	B	POWER SUPPLY FOR ECM</

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M38
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	B	-
5	R	-
6	P	-
7	Y	-
8	BR	-

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Type	TH42FW-NH



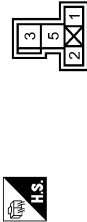
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M48
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LG



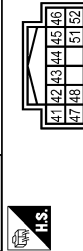
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-
5	LG	-

Connector No.	M48
Connector Name	HEATED STEERING WHEEL RELAY
Connector Type	MS02FL-M2-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L	-
3	B	-
5	BR	-

Connector No.	M68
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH



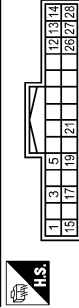
Terminal No.	Color of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	R	IGNITION SIGNAL
47	LG	AV COMMUNICATION SIGNAL (H)
48	SB	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M59
Connector Name	METER CONTROL SWITCH
Connector Type	TH05FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
4	BR	-
5	SB	-
6	V	-
7	GR	-

Connector No.	M60
Connector Name	NAVI CONTROL UNIT
Connector Type	TH28FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
3	B	OND

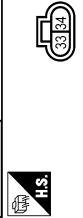
Terminal No.	Color of Wire	Signal Name [Specification]
5	SB	AGC
12	SHIELD	MICROPHONE SIGNAL SHIELD
14	W	VOICE GUIDANCE SIGNAL OUTPUT (+)
15	Y	BAT
17	B	IGN
19	W	REVERSE SIGNAL
21	BR	MICROPHONE SIGNAL GND
27	SHIELD	VOICE GUIDANCE SIGNAL OUTPUT (-)
28	B	VOICE GUIDANCE SIGNAL OUTPUT (-)

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	PH12FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	G	-
3	L	-
4	W	-
5	G	-
6	Y	-
7	B	-
9	Y	-
10	L	-
11	R	-
12	BR	-

Connector No.	M72
Connector Name	STEERING FORCE CONTROL MODULE
Connector Type	Y02FE-1V



Terminal No.	Color of Wire	Signal Name [Specification]
33	B	GROUND
34	R	BATTERY POWER SUPPLY

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	B	-
4	LG	-
5	BR	-
6	BR	-
7	R	-
8	B	-
9	P	-
10	L	-
11	R	-
12	V	-

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M75
Connector Name	WIRE TO WIRE
Connector Type	TH42FW-NH

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Connector No.	M80
Connector Name	TRIPLE SWITCH
Connector Type	TH12FB-NH

Terminal No.	1	2	3	4	5	6	7
Color of Wire	L	R	B	Y/R	R	R	B
Signal Name [Specification]	-	-	-	-	-	-	-

Connector No.	M86
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH06FY-EX-1V

Terminal No.	23	26	28	29	30	34
Color of Wire	R	B	Y/R	Y/B	LG	-
Signal Name [Specification]	-	-	-	-	-	-

30	BG	EXH GAS OUT	ODOR DET SENS
37	B	IGN	IGN DET SENS
38	BR	IGN SW ON	IGN SW ON
40	BR	IGN SW ON	IGN SW ON

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	NS1BMW-CS

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Terminal No.	1	2	3	4	5	6	7
Color of Wire	L	R	B	Y/R	R	R	B
Signal Name [Specification]	-	-	-	-	-	-	-

Connector No.	M81
Connector Name	TCU
Connector Type	TH40FW-NH

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Connector No.	M81
Connector Name	TCU
Connector Type	TH40FW-NH

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Connector No.	M88
Connector Name	A/C AUTO AMP.
Connector Type	TH40FW-NH

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	NS1BMW-CS

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Color of Wire	R	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	Y	B	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	BAT	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	Y	B	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	BAT	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	Y	B	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	BAT	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Color of Wire	Y	B	W	W	BR	R	G	B	Y	LG	BR	W	W	W	W	W	W
Signal Name [Specification]	BAT	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC

JRMWG3729GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	32	33	34	35	36



Terminal No.	Color of Wire	Signal Name [Specification]
16	SB	AV COMM-L
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GND
23	SB	CAMERA SWITCH SIGNAL
24	LG	AV COMM-H
28	L	CAN-H
30	R	IGN
31	R	VEHICLE SPEED SIGNAL (3-PULSE)
33	SB	ACC
34	Y	BAT

Connector No.	M113
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	IAC04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	+12V
2	L	SIGNAL
3	P	GND



Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	LO1MB-MC

1



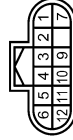
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	M118
Connector Name	CIRCUIT BREAKER
Connector Type	M02FH-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SB	-

Connector No.	M124
Connector Name	ACCELERATOR PEDAL, ACTUATOR, ACCELERATOR PEDAL, ACTUATOR
Connector Type	RH12FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BATTERY
2	G	IGNITION
3	L	ITS COMM-H

4	W	-
5	Y	-
6	Y	-
7	B	GROUND
8	Y	ITS COMM-L
9	Y	-
10	L	-
11	R	-
12	BR	-



Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	RH12MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	G	-
3	L	-
4	L	- [With ASD]
4	W	- [With ADAS]
5	G	- [With ADAS]
5	W	- [With ASD]
6	R	- [With ASD]
6	Y	- [With ADAS]
7	B	-
9	Y	-
10	GR	- [With ASD]
10	L	- [With ADAS]
11	L	- [With ADAS]
11	Y	- [With ASD]
12	BR	- [With ADAS]
12	P	- [With ASD]

Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11B	LG	-
11B	P	-
11B	Y	-
11B	Y	-
2B	B	-
2B	R	-
2B	Y	-

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

BATTERY POWER SUPPLY

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40PW-NH



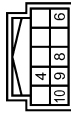
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

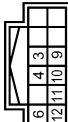
BATTERY POWER SUPPLY

Connector No.	R8
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10BW-NH



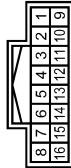
Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
6	GR	-
8	B	-
9	BR	-
10	BG	-

Connector No.	R9
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH12FW-NH-B



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	GROUND
4	BG	AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL
6	GR	IGNITION POWER SUPPLY
8	BR	AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL
10	BR	BATTERY POWER SUPPLY
11	GR	CAN-L
12	BR	CAN-H

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	GR	-
3	BR	-
4	V	-
5	SB	-
6	W	-
7	BR	-
8	R	-
9	LG	-
11	G	-
12	G	-
13	B	-
14	L	-
15	Y	-

Connector No.	R22
Connector Name	TELEMATICS SWITCH
Connector Type	TH40BW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	BR	-
3	G	-
5	SB	-
6	B	-
7	B	-

Connector No.	T47
Connector Name	TRUNK LID OPENER REQUEST SWITCH ASSEMBLY
Connector Type	TH40MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	B	-
4	R	-

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	BR	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
14	B	- [With back view monitor]
15	R	- [With around view monitor]
16	W	- [With back view monitor]

Connector No.	T51
Connector Name	REAR COMBINATOR LAMP LH (TRUNK LID BEE)
Connector Type	NS44FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	BG	-
3	P	-
4	B	-

Connector No.	T52
Connector Name	REAR COMBINATOR LAMP RH (TRUNK LID BEE)
Connector Type	NS44FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	BG	-
3	R	-
4	B	-

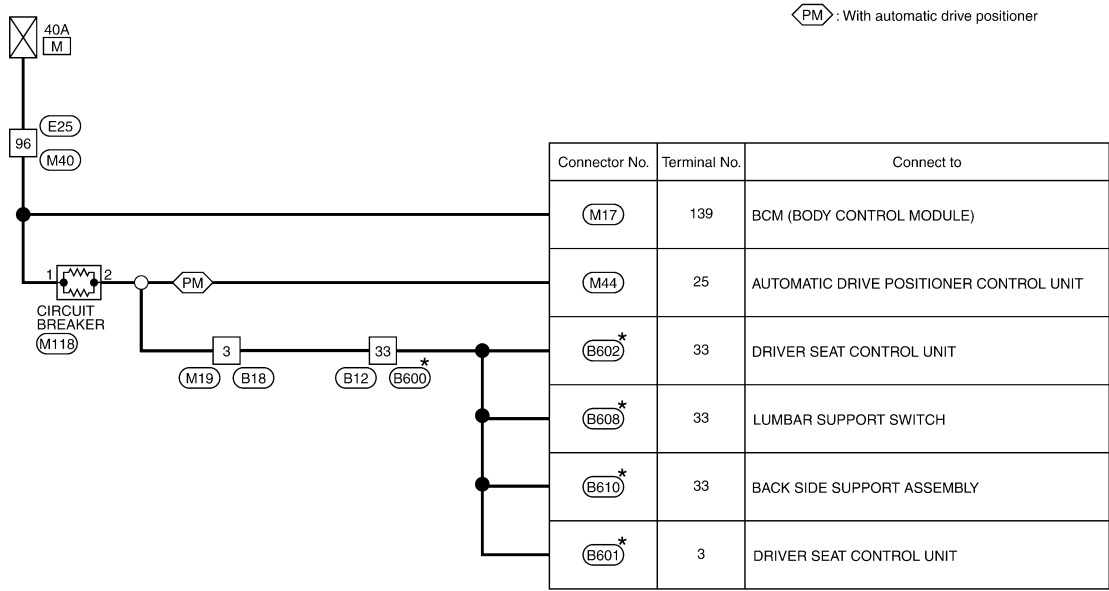
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. M -
BATTERY POWER SUPPLY FUSIBLE LINK No. M

INFOID:000000011283414



★ : This connector is not shown in "Harness Layout".

2014/07/28

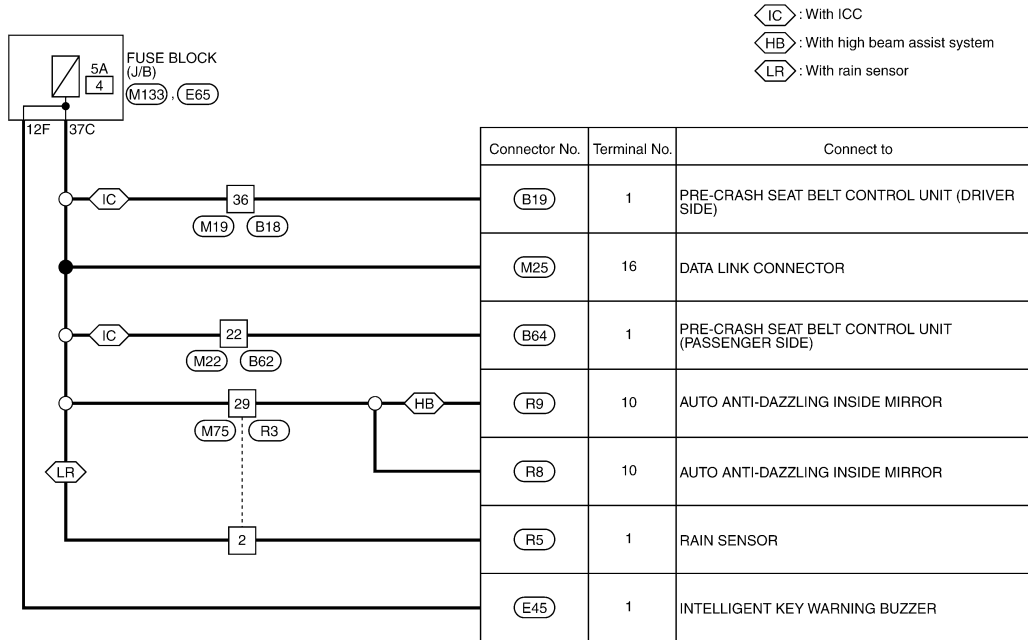
JRMWG3606GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 4 - BATTERY POWER SUPPLY FUSE No. 4

INFOID:000000011283415



2014/07/28

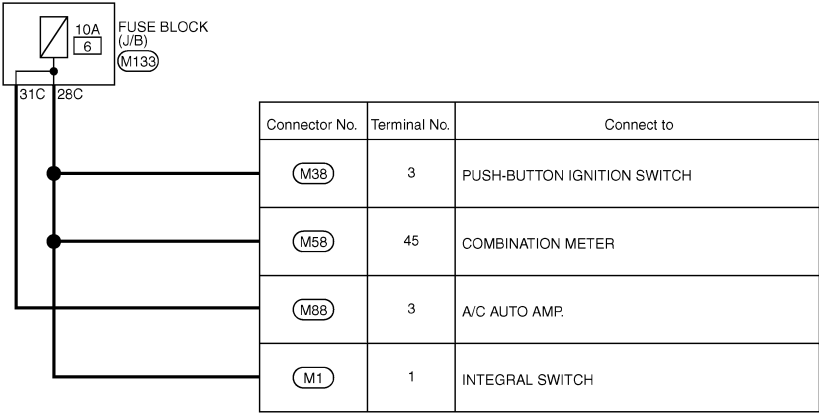
JRMWG3607GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -
BATTERY POWER SUPPLY FUSE No. 6

INFOID:0000000011283416



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2013/05/17

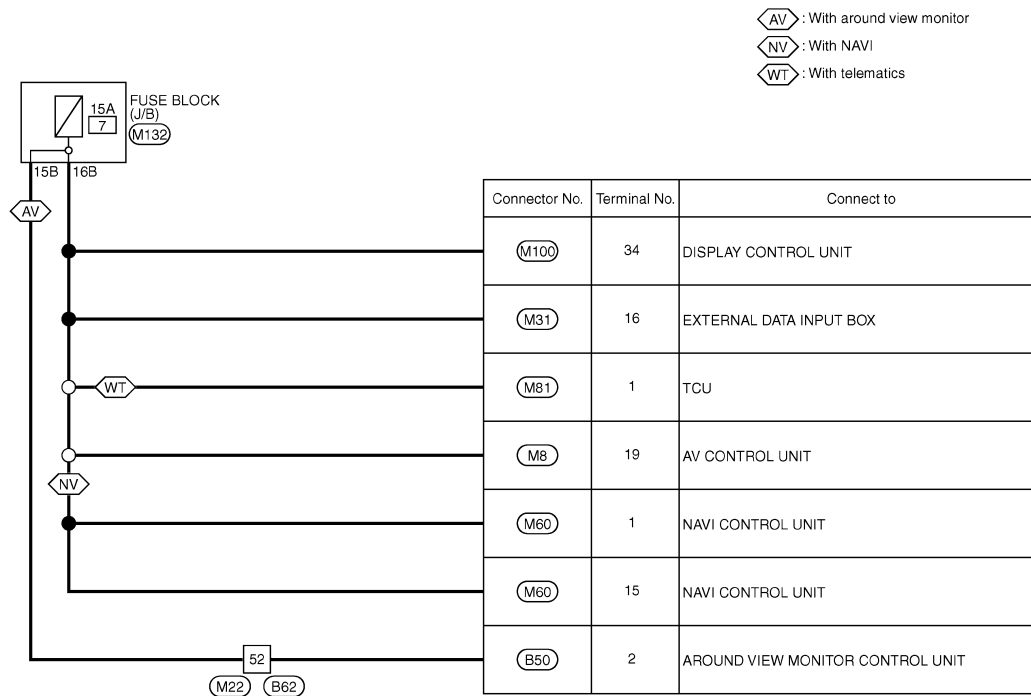
JRMWE0034GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 - BATTERY POWER SUPPLY FUSE No. 7

INFOID:000000011283417



2013/05/17

JRMWE0035GB

POWER SUPPLY ROUTING CIRCUIT

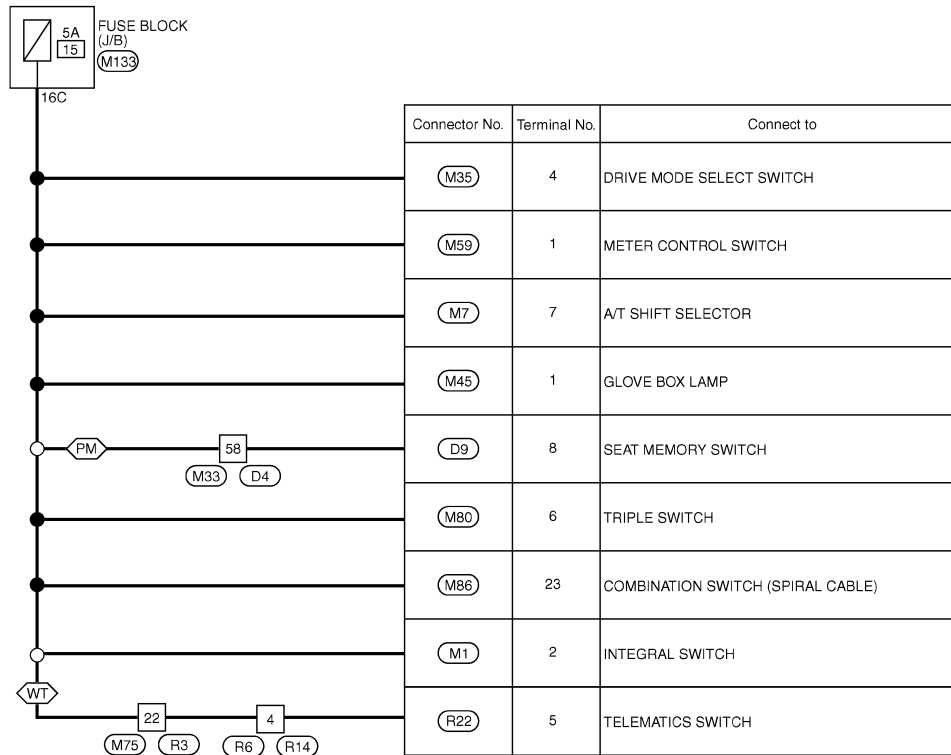
< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 15 - BATTERY POWER SUPPLY FUSE No. 15

INFOID:0000000011283418

PM : With automatic drive positioner

WT : With telematics



2013/05/17

JRMWE0036GB

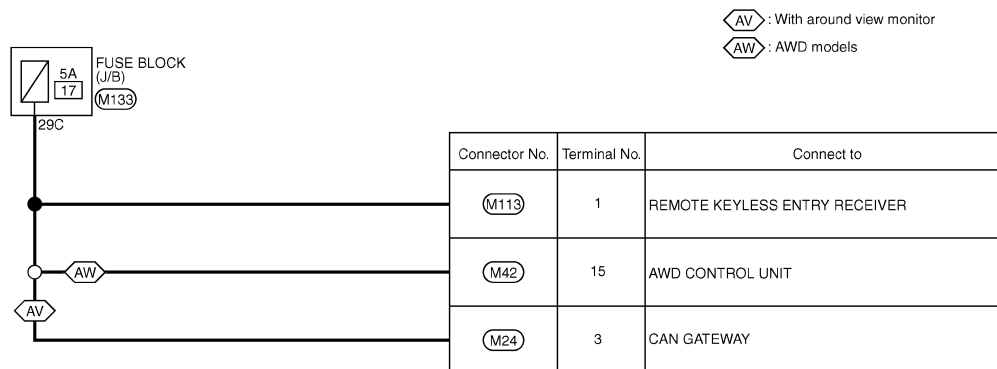
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 17 -

INFOID:000000011283419

BATTERY POWER SUPPLY FUSE No. 17



2013/05/17

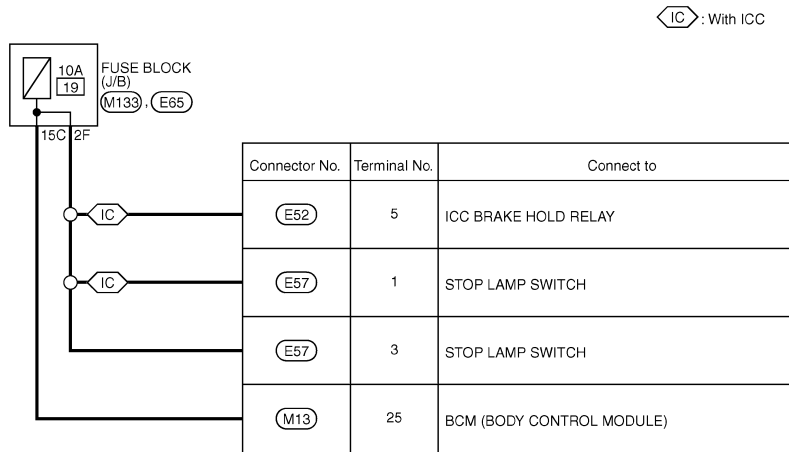
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 19 - BATTERY POWER SUPPLY FUSE No. 19

INFOID:0000000011283420



2013/05/17

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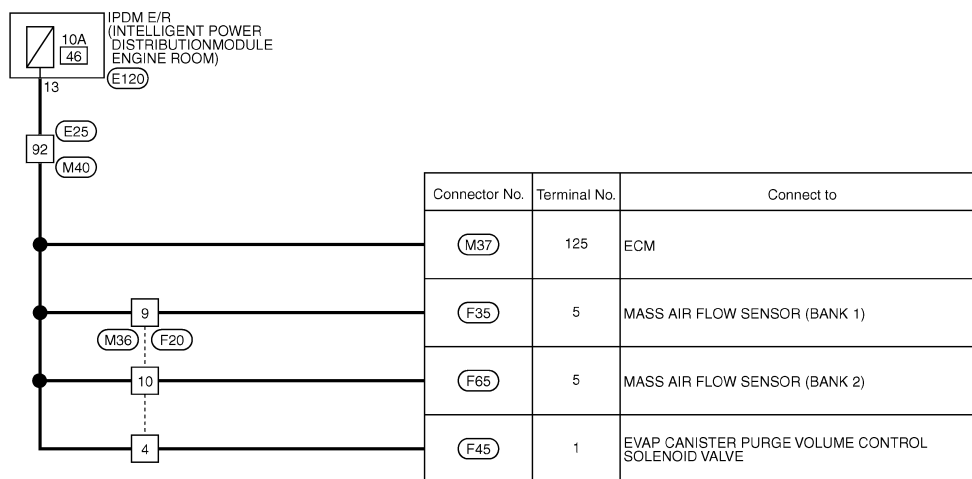
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 46 -

INFOID:000000011283421

BATTERY POWER SUPPLY FUSE No. 46



2013/05/17

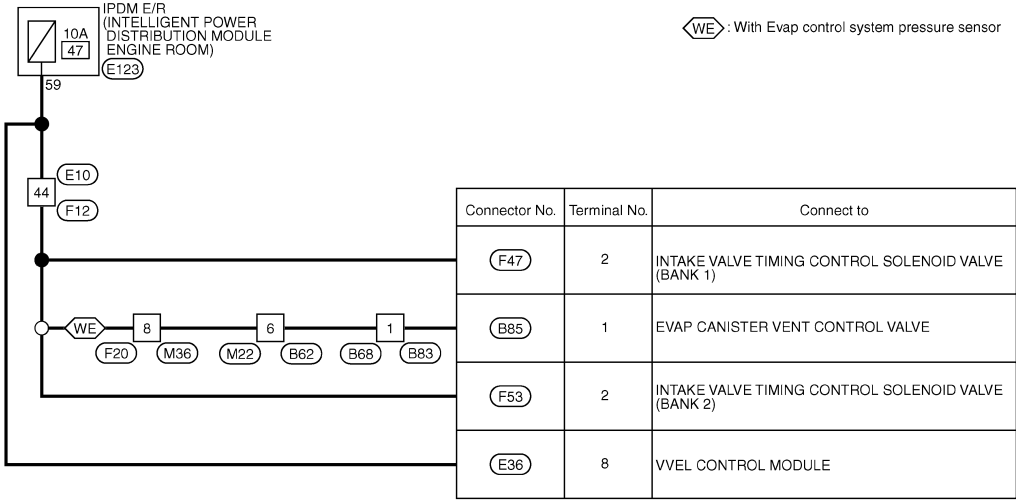
JRMWE0039GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 47 -
BATTERY POWER SUPPLY FUSE No. 47

INFOID:0000000011283422



2013/05/17

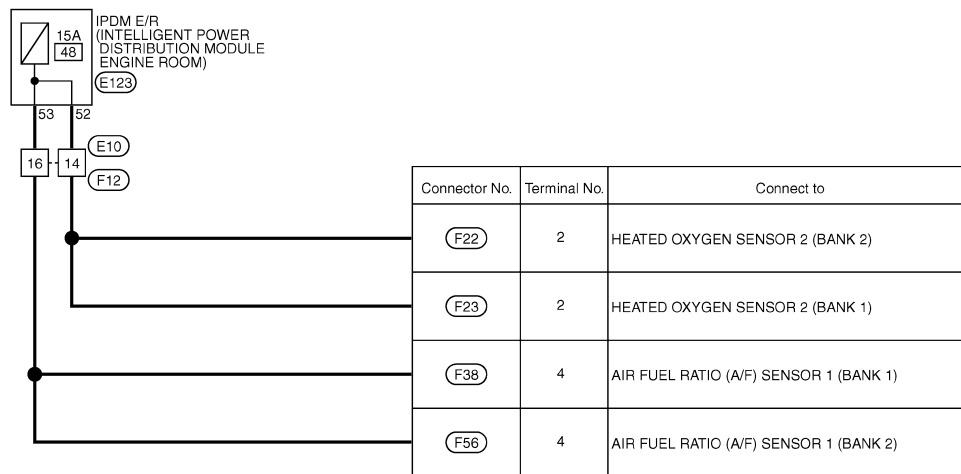
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 48 - BATTERY POWER SUPPLY FUSE No. 48

INFOID:000000011283423



2013/05/17

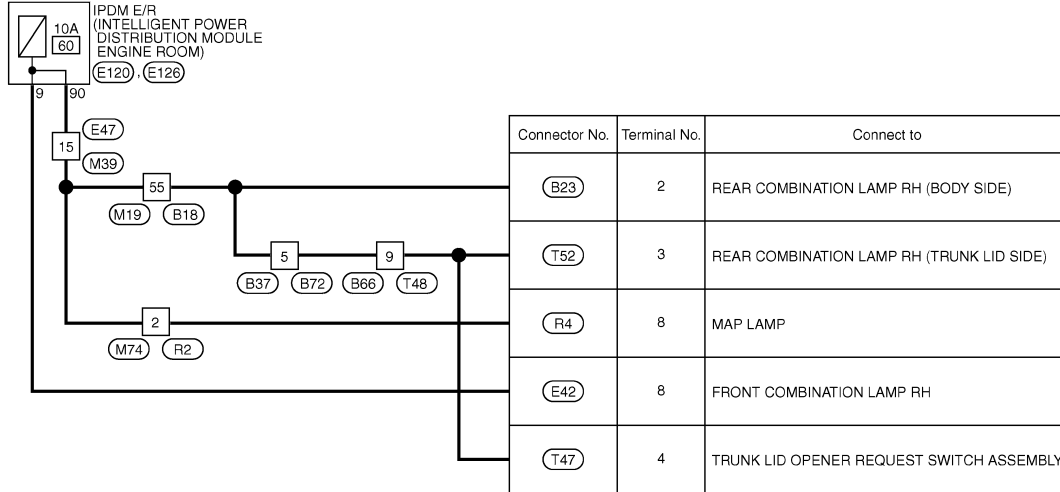
JRMWE0041GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 60 - BATTERY POWER SUPPLY FUSE No. 60

INFOID:0000000011283424



2013/05/17

JRMWE0042GB

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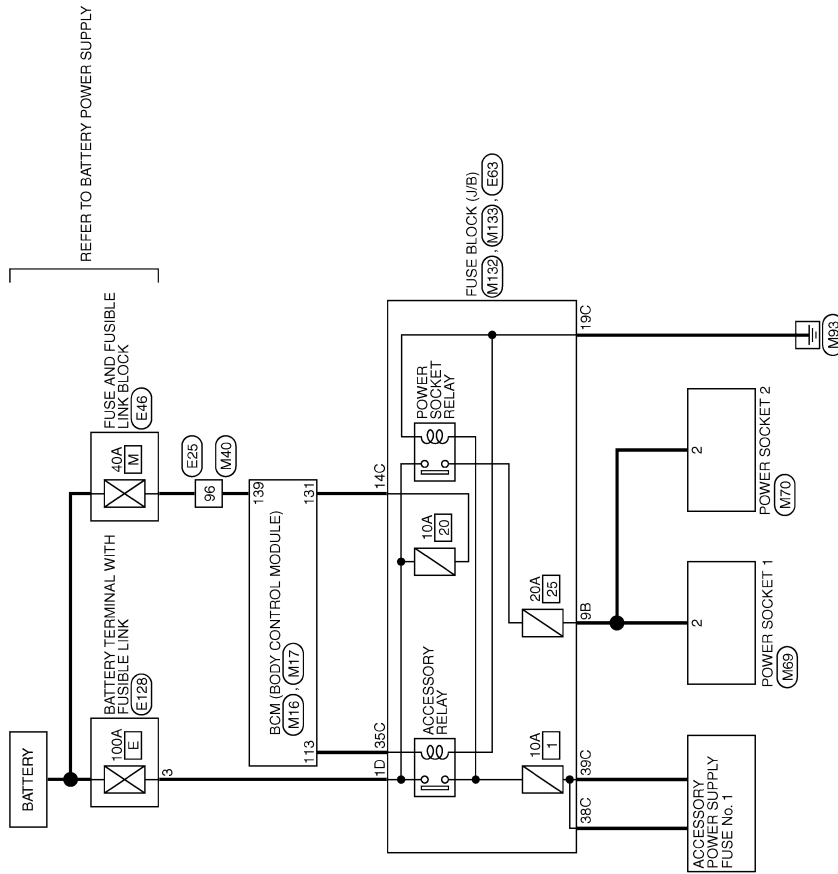
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000011283425

ACCESSORY POWER SUPPLY



2013/05/17

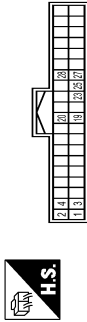
JRMWE0043GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

ACCESSORY POWER SUPPLY

Connector No.	B50
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GND
2	Y	BAT
3	LG	IGN
4	P	ACC
19	LG	AV COMM (H)
20	P	AV COMM (L)
23	SHIELD	AV COMM GND
25	BG	REVERSE SIGNAL
27	L	CANH
28	P	CANL (VIR/ASCD)

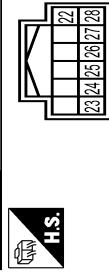
Connector No.	B55
Connector Name	BOSE AMP.
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
43	W	REAR MICROPHONE GND
44	R	REAR MICROPHONE SIGNAL
45	R	VOICE GUIDANCE SIGNAL (+)
46	B	VOICE GUIDANCE SIGNAL (-)
52	R	SOUND SIGNAL LH (+)
54	P	SOUND SIGNAL LH (-)
56	V	SOUND SIGNAL RH (+)
63	BG	SOUND SIGNAL RH (-)

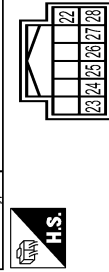
64	G	VOICE GUIDANCE SIGNAL (+)
65	L	VOICE GUIDANCE SIGNAL (-)
66	W	SOUND SIGNAL LH (+)
72	G	SOUND SIGNAL LH (-)
74	LG	AV COMM (H)
76	G	AV COMM (L)
78	W	STEP LAMP CONTROL SIGNAL
79	SHIELD	ENGINE SPEED SIGNAL

Connector No.	D12
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TH12FW-NH



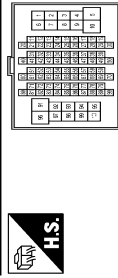
Terminal No.	Color Of Wire	Signal Name [Specification]
22	V	-
23	Y	-
24	GR	-
25	L	-
26	W	-
27	BR	-
28	R	-

Connector No.	D55
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
22	V	-
23	Y	-
24	GR	-
25	L	-
26	W	-
27	BR	-
28	R	-

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
6	V	-
7	L	-
10	BR	-
11	L	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
37	V	-
38	L	-
39	Y	-
40	SB	-
41	LG	-
44	Y	-

45	W	-
46	B	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-
57	BG	-
58	B	-
59	W	-
61	R	-
62	SB	-
63	LG	-
64	Y	-
65	SB	-
66	GR	-
67	LG	-
68	BG	-
71	LG	-
72	V	-
73	G	-
74	BR	-
75	V	-
78	P	-
79	SB	-
83	R	-
86	BG	-
91	G	-
92	Y	-
94	GR	-
95	BG	-
96	W	-
97	LG	-
98	L	-
99	P	-
100	SHIELD	-

JRMWG3609GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

ACCESSORY POWER SUPPLY

Connector No.	Signal Name [Specification]
E46	
Connector Name	Signal Name [Specification]
FUSE AND FUSIBLE LINK BLOCK	
Connector Type	Signal Name [Specification]
24384-4GA0A	



Terminal No.	Wire	Signal Name [Specification]
1	GR	-
2	SB	-
3	LG	-
4	W	-
5	BR	-
6	GR	-
7	SB	-
8	LG	-
9	W	-
10	GR	-
11	SB	-
12	LG	-
13	W	-
14	BR	-
15	GR	-
16	SB	-
17	LG	-
18	W	-
19	BR	-
20	GR	-

Terminal No.	Wire	Signal Name [Specification]
65	GR	-
66	SB	-
67	EG	-
68	LG	-
69	V	-
70	GR	-
72	G	-
73	P	-
G	L	-
H	R	-
J	R	-
L	G	-
M	W	-
N	Y	-
O	BR	-
P	SB	-
Q	G	-
R	GR	-
S	BR	-

Connector No.	Signal Name [Specification]
E53	
Connector Name	Signal Name [Specification]
FUSE BLOCK (J/B)	
Connector Type	Signal Name [Specification]
L02FB-MC	



Terminal No.	Wire	Signal Name [Specification]
1	W	BAT
2	R	ILL(TAIL LAMP)
3	SB	AV COMM (L)
4	LG	AV COMM (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GND
14	V	ACC
15	B	ILLUMINATION CONTROL SIGNAL
16	BS	DISK EJECT SIGNAL GROUND
18	R	IGN
19	BR	CAMERA SWITCH SIGNAL

Terminal No.	Wire	Signal Name [Specification]
20	LG	AIR BAG INDICATOR OFF SIGNAL

Connector No.	Signal Name [Specification]
M8	
Connector Name	Signal Name [Specification]
AV CONTROL UNIT	
Connector Type	Signal Name [Specification]
TH18FW-CS2	



Terminal No.	Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BAT
20	B	GND

Terminal No.	Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BAT
20	B	GND

Connector No.	Signal Name [Specification]
M16	
Connector Name	Signal Name [Specification]
BCM (BODY CONTROL MODULE)	
Connector Type	Signal Name [Specification]
TH24FB-AH	



Terminal No.	Wire	Signal Name [Specification]
1	W	BAT
2	R	ILL(TAIL LAMP)
3	SB	AV COMM (L)
4	LG	AV COMM (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GND
14	V	ACC
15	B	ILLUMINATION CONTROL SIGNAL
16	BS	DISK EJECT SIGNAL GROUND
18	R	IGN
19	BR	CAMERA SWITCH SIGNAL

Terminal No.	Wire	Signal Name [Specification]
105	V	TURN SIG RH OUTPUT (FRONT)
107	P	PUSH-BTN IGN SW ILL GND
111	Y	ACC ON IND
113	SB	ACC RELAY CONT
114	LG	PASSENGER DOOR ANT +
115	V	PASSENGER DOOR ANT -
116	BR	INSIDE KEY ANT (CONSOLE) +
117	W/B	TURN SIG LH OUTPUT (FRONT)
119	L	KYLS ENT RECEIV COMM
121	SB	DRIVER DOOR ANT +
122	BG	DRIVER DOOR ANT -
123	R	INSIDE KEY ANT (INSTRUMENT LOWER) +
124	G	INSIDE KEY ANT (INSTRUMENT LOWER) -
126	B	WATS ANT AMP
127	W	WATS ANT AMP
128	GR	INSIDE KEY ANT (CONSOLE) -

Connector No.	Signal Name [Specification]
M17	
Connector Name	Signal Name [Specification]
BCM (BODY CONTROL MODULE)	
Connector Type	Signal Name [Specification]
FEA09FW-FH46-SA	



Terminal No.	Wire	Signal Name [Specification]
1	W	BAT
2	R	ILL(TAIL LAMP)
3	SB	AV COMM (L)
4	LG	AV COMM (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GND
14	V	ACC
15	B	ILLUMINATION CONTROL SIGNAL
16	BS	DISK EJECT SIGNAL GROUND
18	R	IGN
19	BR	CAMERA SWITCH SIGNAL

Terminal No.	Wire	Signal Name [Specification]
129	LG	INT ROOM LAMP PWR SPY
130	P	PASS DOOR UNLK OUTPUT
131	Y	BAT (FUSE)
132	V	RR RL DOOR UNLK OUTPUT
133	BR	RR RL DOOR UNLK OUTPUT
134	B	GND
135	V	FRONT DOOR FL ID LK OUTPUT
136	V	INT ROOM LAMP CONT
137	LG	FRONT DOOR FL ID UNLK OUTPUT
138	P	REAR DOORS ACT PWR SPY
139	W	BAT (FUSE)
140	BR	IGN ON
141	R	PWR SPY (BAT)
142	R	FRONT DOORS FL ID ACT PWR SPY
143	B	GND

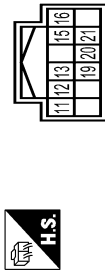
JRMWG3610GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

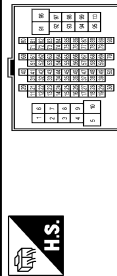
ACCESSORY POWER SUPPLY

Connector No.	M31
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
11	W	AUX SOUND SIGNAL LH
12	R	AUX SOUND SIGNAL GND
13	B	AUX SOUND SIGNAL RH
15	B	GND
16	Y	BAT
19	L	AUX IMAGE SIGNAL (+)
20	V	AUX IMAGE SIGNAL (-)
21	SB	ACC

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

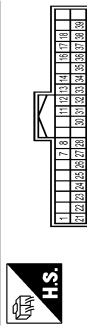


Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	L	-
4	V	-
6	W/B	-
7	V	-
10	W	-
11	W	-
12	B	-
13	GR	-
14	B	-
15	SB	-
16	B	-

17	LG	-
18	B	-
31	W	-
32	V	-
35	B/G	-
36	G	-
37	B	-
38	L	-
39	Y	-
40	GR	-
41	L	-
44	BR	-
45	W	-
46	G	-
47	R	-
48	SHIELD	-
49	B	-
50	BR	-
51	L	-
52	W	-
53	G	-
54	Y	-
55	P	-
56	B/G	-
57	GR	-
58	B	-
59	SB	-
61	W/B	-
62	SB	-
63	LG	-
64	Y	-
65	R	-
66	V	-
67	LG	-
68	B/G	-
71	V	-
72	LG	-
73	R	-
74	BR	-
75	B	-
78	G	-
79	R	-
83	R	-
86	V	-
91	W	-
92	R	-
94	B/G	-
95	BR	-
96	W	-
97	LG	-

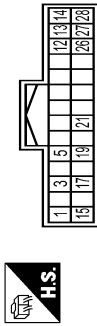
98	Y	-
99	BR	-
100	SHIELD	-

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
7	G	SECURITY SIGNAL
8	B	-
11	W	ALTERNATOR SIGNAL
12	G	LED HEADLAMP (RH) WARNING SIGNAL
13	BR	LED HEADLAMP (LH) WARNING SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIPRESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SEAT)
30	SB	MANUAL MODE SIGNAL
31	G	NON-MANUAL MODE SIGNAL
32	B/G	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL
34	B/G	PADLE SHIFTER UP SIGNAL
35	G	PADLE SHIFTER DOWN SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (*)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (*)
38	R	VEHICLE SPEED SIGNAL (8-PULSE)
39	L	VEHICLE SPEED SIGNAL (2-PULSE)

Connector No.	M60
Connector Name	NAVI CONTROL UNIT
Connector Type	TH28FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BAT
3	B	GND
5	SB	ACC
12	G	MICROPHONE SIGNAL
13	SHIELD	SHIELD
14	W	VOICE GUIDANCE SIGNAL OUTPUT (+)
15	Y	BAT
17	B	GND
19	W	IGN
21	BR	REVERSE SIGNAL
26	R	MICROPHONE SIGNAL GND
27	SHIELD	SHIELD
28	B	VOICE GUIDANCE SIGNAL OUTPUT (-)

Connector No.	M69
Connector Name	POWER SOCKET 1
Connector Type	CEA01FB-CH42



Terminal No.	Color Of Wire	Signal Name [Specification]
2	Y	-
3	B	-

JRMWG3611GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

ACCESSORY POWER SUPPLY

Connector No.	M70
Connector Name	POWER SOCKET 2
Connector Type	CEA01FB-CH42



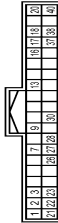
Terminal No.	Color	Wire	Signal Name [Specification]
2	Y	B	-
3	B	-	-

Connector No.	M81
Connector Name	TCU
Connector Type	TH40FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y	BAT	
2	B	GND	
3	V	ACC	
4	R	IGN	
5	SB	ACC OUTPUT	
6	SB	-	
7	B	GND	
9	L	CANH	
10	P	-	
18	L	MICROPHONE VCC	
19	G	MICROPHONE SIGNAL	
20	SHIELD	SHIELD	
21	L	MICROPHONE VCC	
22	G	SOUND SIGNAL	
23	SHIELD	SHIELD	
34	G	SOS CALL SWITCH SIGNAL	
35	BR	SOS SWITCH LED SIGNAL	

Connector No.	M88
Connector Name	A/C AUTO AMP.
Connector Type	TH40FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	L	CANH	
2	B	GND	
3	W	BAT	
7	G	AMBIENT SENS	
9	R	SUNLOAD SENS	
13	V	IGN SW ACC	
16	P	LIN	
17	R	DOOR MOTOR PWR SPY	
18	P	BLOWER MOTOR CONT	
20	L	HEAT STRG WHL RLY CONT	
21	P	CANH	
22	B	GND	
23	W	IGN SW ON	
26	B	SENS GND	
27	LG	IN-VEHICLE SENS	
28	BR	INTAKE SENS	
30	BG	EXH GAS/OUT ODO DTCT SENS	
37	B	GND	
38	BG	IONIZER CONT	
40	BG	ECV CONT	

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
16	SB	P	AV COMM (L)
17	P	CANH	
19	R	DIMMER SIGNAL	
20	BR	REVERSE SIGNAL	
22	B	GND	
25	SB	CAMERA SWITCH SIGNAL	
26	BR	AV COMM (H)	
28	LG	CANH	
29	L	IGN	
30	R	VEHICLE SPEED SIGNAL (8-PULSE)	
31	R	ACC	
33	SB	BAT	
34	Y	BAT	

Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
11B	LG	-	
13B	P	-	
15B	Y	-	
16B	Y	-	
2B	B	-	
5B	R	-	
9B	Y	-	

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
10C	V	-	
11C	V	-	
13C	L	-	
14C	Y	-	
15C	R	-	
16C	R	-	
17C	L	-	
18C	BG	-	- [Without DRPO]
18C	P	-	- [With DRPO]
19C	B	-	
20C	W	-	
21C	L	-	
22C	L	-	
23C	L	-	
25C	LG	-	
26C	SB	-	
27C	P	-	
28C	W	-	
28C	W	-	
2C	R	-	
30C	R	-	
31C	W	-	
32C	R	-	
33C	B	-	
34C	W/B	-	
35C	SB	-	
36C	R	-	
37C	W	-	
38C	SB	-	
39C	V	-	
3C	P	-	
40C	G	-	
4C	P	-	
5C	P	-	
6C	P	-	
7C	G	-	

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

ACCESSORY POWER SUPPLY

9C	V	-
----	---	---

Connector No.	RZZ
Connector Name	TELEMATICS SWITCH
Connector Type	TH88FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	G	-
5	SB	-
6	B	-
7	B	-

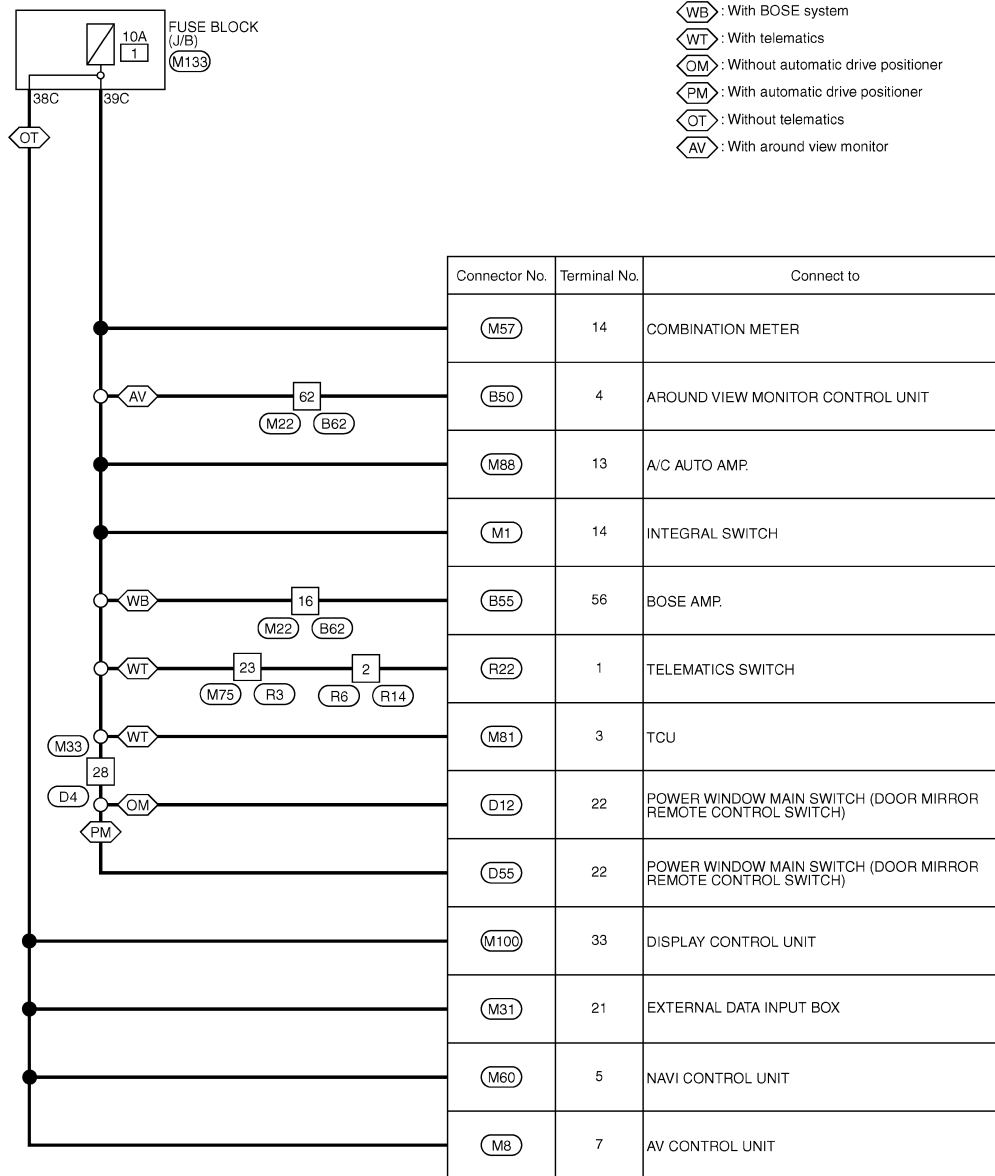
JRMWG3719GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

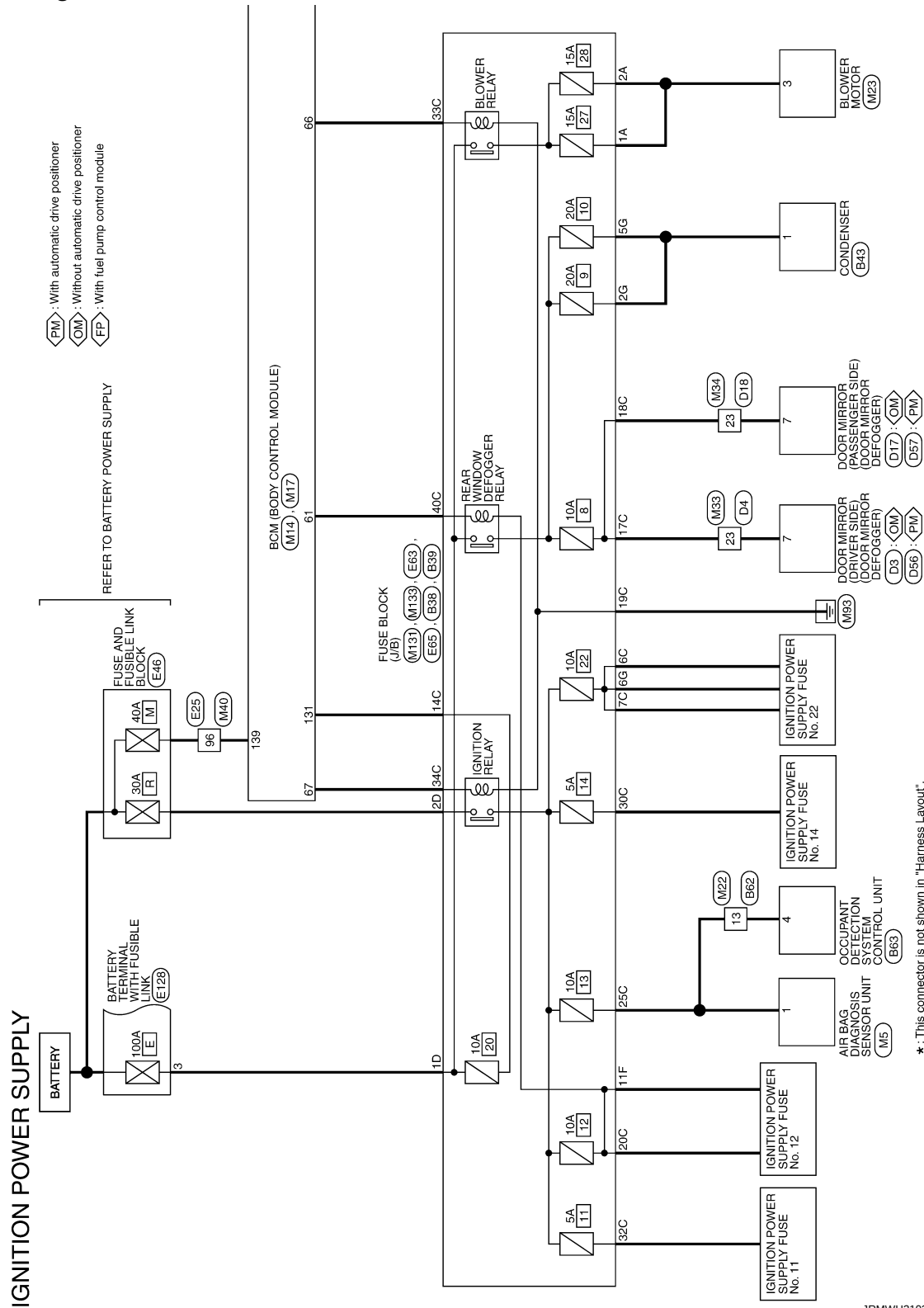
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 1 - ACCESSORY POWER SUPPLY FUSE No. 1

INFOID:000000011283426



2013/05/17

JRMWE0049GB



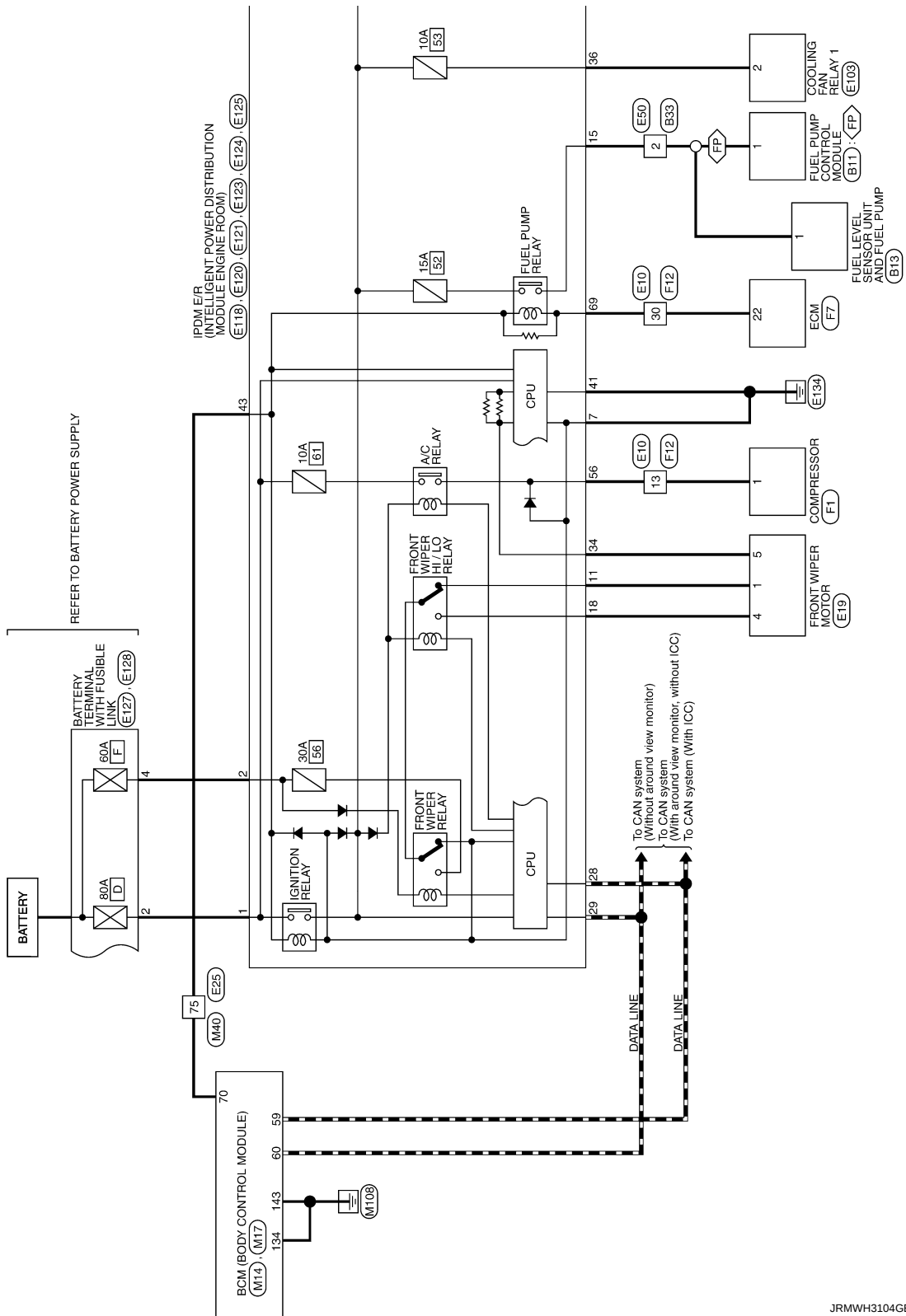
* : This connector is not shown in "Harness Layout".

2014/12/18

JRMWH3103GB

POWER SUPPLY ROUTING CIRCUIT

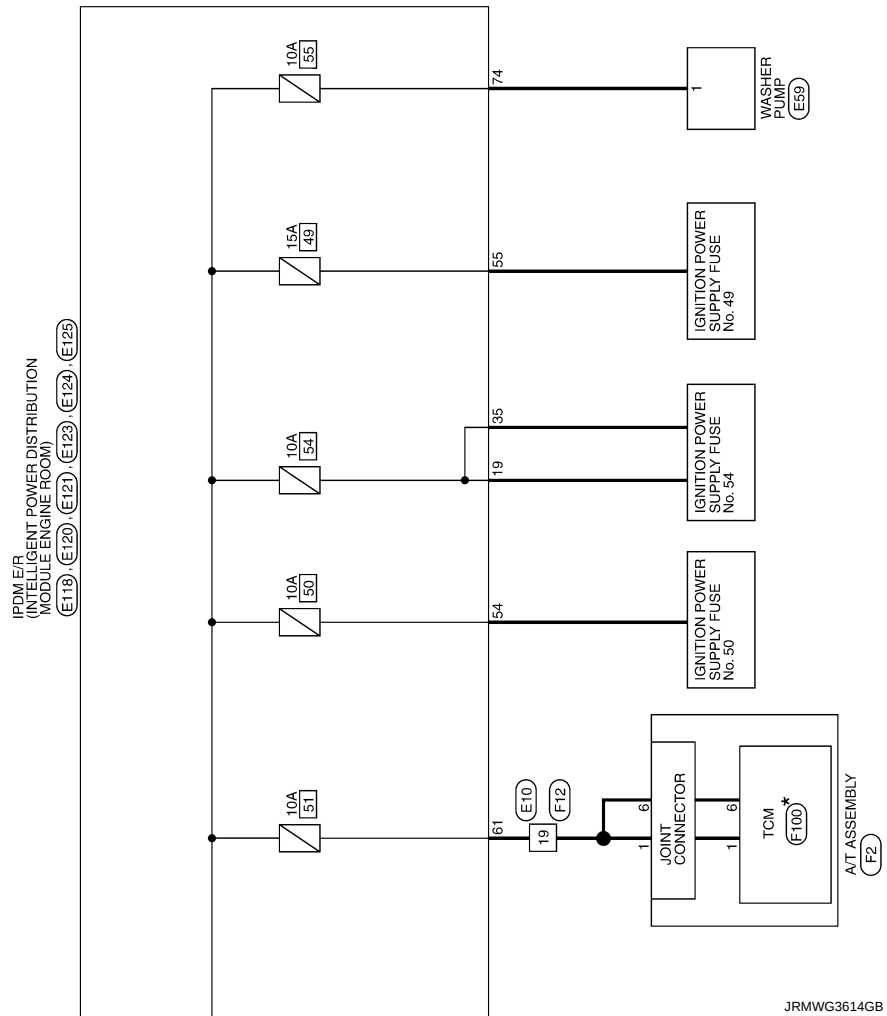
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JRMWH3104GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



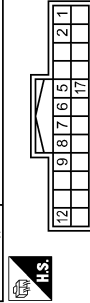
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	B81
Connector Name	ADAS CONTROL UNIT
Connector Type	TH24FW-NH



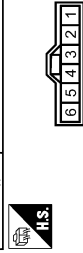
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	R	CAN-L
3	B	GND
5	P	ITS COMM-H
7	P	ITS COMM-L
8	L	CHASSIS COMM-H
9	R	CHASSIS COMM-L
12	GR	IGNITION
17	V	BRAKE HOLD RLY DRIVE SIGNAL

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	TH18MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
3	BR	-
4	SHIELD	-
5	P	-
6	L	-
7	GR	-
10	B	-
11	B	-
12	SB	-
13	SHIELD	-
14	P	-
15	L	-

Connector No.	B11
Connector Name	FUEL PUMP CONTROL MODULE
Connector Type	TS05FB



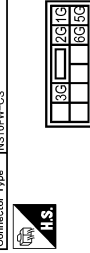
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	W	-
3	B	-
4	G	-
5	GR	-
6	BR	-

Connector No.	B33
Connector Name	WIRE TO WIRE
Connector Type	MO5FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
2	BR	-

Connector No.	B38
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1G	GR	-
2G	W	-
3G	BR	-
5G	W	-
6G	G	-

Connector No.	B39
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH10FB-NH



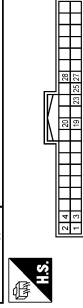
Terminal No.	Color of Wire	Signal Name [Specification]
1D4	P	-
3H	L	-
4H	R	-
5H	V	-
6H	L	-
7H	LG	-
8H	P	-

Connector No.	B43
Connector Name	CONDENSER
Connector Type	MO1FW-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	B50
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	L	BAT
3	LG	BAT
19	LG	AV COMM (H)
20	P	AV COMM (L)
23	SHIELD	AV COMM GND
25	BG	REVERSE SIGNAL
27	L	CAN-H
28	P	CAN-L [With ADAS]
28	R	CAN-L [With ASGD]

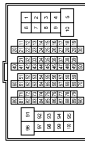
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	R	- [With BOSE system]
3	W	- [Without BOSE system]
4	SHIELD	-
5	G	-
6	W	-
7	W	- [Without BOSE system]
7	W	- [With BOSE system]
8	B	- [Without BOSE system]
8	Y	- [With BOSE system]
9	SHIELD	-
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	GR	-
16	V	-
17	P	-
18	L	-
19	R	-
20	GR	-
21	R	-
22	P	-
23	W	-
24	V	-
25	SB	-
26	G	-
28	LG	-
29	P	-
30	LG	-
36	R	-
37	R	-
38	W	-
39	W	-
45	G	-
46	SHIELD	-

7	Y	K-LINE
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Connector No.	B67
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
3	BR	-
4	SHIELD	-
5	R	-
6	GR	-
7	GR	-
10	B	-
11	B	-
12	SB	-
13	SHIELD	-
14	P	-
15	L	-

Connector No.	B92
Connector Name	SIDE RADAR LH
Connector Type	LA06FE-WP-SP



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	GROUND
3	R	ITS COMM-L
4	L	ITS COMM-H
5	GR	IGNITION
6	BR	BLIND SPOT WARNING (BLIND SPOT INTERVENTION INDICATOR)

Connector No.	B93
Connector Name	SIDE RADAR RH
Connector Type	LA06FE-WP



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	RIGHT/LEFT SWITCHING SIGNAL
2	B	GROUND
3	P	ITS COMM-L
4	L	ITS COMM-H
5	GR	IGNITION
6	SB	BLIND SPOT WARNING (BLIND SPOT INTERVENTION INDICATOR)

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-
3	G	-
5	B	-
6	Y	-
7	Y	-
10	Y	-
11	GR	-
12	L	-
14	B	-
17	SHIELD	-
18	R	-
19	B	-

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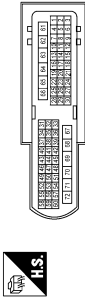
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

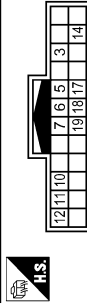
Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60PW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
6	V	-
8	G	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	B	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-
25	BR	-
26	R	-
27	BR	-
28	V	-
29	B	-
30	W	-
31	R	-
32	Y	-
33	BR	-
34	L	-
35	R	-
36	GR	-
37	G	-
40	P	-
41	L	-
43	BG	-
44	Y	-
46	W	-
47	R	-
49	BR	-

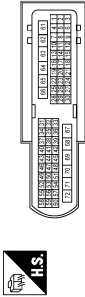
50	B	-
52	V	-
53	GR	-
55	GR	-
56	BR	-
57	R	-
58	L	-
59	V	-
60	G	-
61	BG	-
62	Y	-
63	SB	-
64	B	-
65	Y	-
66	BR	-
68	L	-
70	W	-
71	LG	-
72	P	-

Connector No.	D17
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
8	B	-
7	BG	-
10	G	-
11	V	-
12	Y	-
14	B	-
17	SHIELD	-
18	G	-
19	B	-

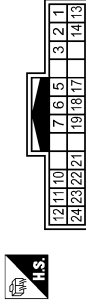
Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60PW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
8	Y	-
8	W	-
10	L	-
11	GR	-
13	Y	-
14	R	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-
25	BR	-
26	V	-
27	G	-
28	Y	-
29	B	-
30	R	-
32	LG	-
32	P	-
35	L	-
36	Y	-
57	R	-
58	SB	-
59	R	-
60	G	-
63	B	-
64	Y	-
65	BR	-
66	GR	-
69	W	-

70	L	-
71	BG	-
72	Y	-

Connector No.	D56
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	G	-
5	B	-
8	W	-
7	L	-
10	Y	-
11	GR	-
12	BG	-
13	V	-
14	B	-
17	SHIELD	-
18	R	-
19	B	-
21	BR	-
22	LG	-
23	W	-
24	G	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	D57
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MH-NH



12	11	10				7	6	5		3		1	
24	23	22	21			19	18	17				14	13

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

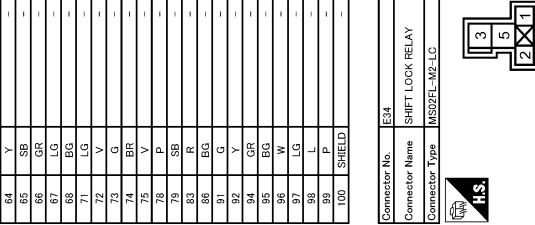
Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CSI2-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
5	Y	-
6	GR	-
7	LG	-
8	GR	-
9	GR	-
10	GR	-
11	GR	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
37	Y	-
38	L	-
39	Y	-
40	SB	-
41	LG	-
42	W	-
43	W	-
44	W	-
45	B	-
46	G	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-
57	EG	-
58	B	-

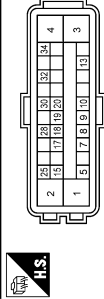
59	W	-
60	R	-
61	SB	-
62	LG	-
63	Y	-
64	Y	-
65	SB	-
66	GR	-
67	LG	-
68	EG	-
71	LG	-
72	V	-
73	G	-
74	BR	-
75	V	-
76	P	-
78	SB	-
83	R	-
86	EG	-
91	G	-
92	GR	-
94	GR	-
95	EG	-
96	W	-
97	LG	-
98	L	-
99	P	-
100	SHIELD	-

Connector No.	E34
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-
3	GR	-
5	G	-

Connector No.	E15
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SA230FB-SJZ-U



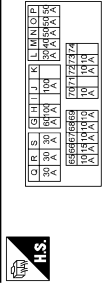
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL
6	GR	RELAY SIGNAL
8	GR	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN L
17	Y	RR RH WHEEL SENSOR SIGNAL
18	V	RR RH WHEEL SENSOR POWER SUPPLY
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDS OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E44
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Type	BS02FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BG	-

Connector No.	E46
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24384-4G0A



Terminal No.	Color of Wire	Signal Name [Specification]
65	GR	-
66	SB	-
67	BG	-
68	LG	-
69	Y	-
70	GR	-
72	GR	-
73	P	-
G	L	-
H	R	-
J	R	-
L	G	-
M	W	-
N	Y	-
O	BR	-
P	SB	-
Q	G	-
R	GR	-
S	BR	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Type	TH22MH-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-
3	L	-
4	P	-
7	R	-
8	W	-
13	G	-
15	BR	-
17	W	-
18	RG	-
27	LG	-
28	BR	-
29	W	-
30	Y	-
31	G	-
32	LG	-

Connector No.	E49
Connector Name	HEADLAMP SWIVEL ACTUATOR LH
Connector Type	HS3FGY



1	2	3
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	EG	-
3	W	-

Connector No.	E50
Connector Name	WIRE TO WIRE
Connector Type	M06MH-LC



1	2	3
4	5	6

Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-

Connector No.	E52
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS02FL-MP-LC



3	5
2	1

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	V	-
5	L	-

Connector No.	E57
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



3	4
1	2

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-

1	L
2	GR
3	B
4	V



Connector No.	E59
Connector Name	WASHER PUMP
Connector Type	FEA02FB-LC



2	1
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SB	-

Connector No.	E63
Connector Name	FUSE BLOCK (J/B)
Connector Type	L02FE-MC



1	2
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	-
2D	GR	-

Connector No.	E65
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH12FW-NH



5F	5F	3F	2F	1F
12F	11F	9F	8F	7F

Terminal No.	Color of Wire	Signal Name [Specification]
11F	G	-
12F	W	-
1F	V	-
2F	BR	-
3F	P	-
5F	P	-
9F	L	-
12F	R	-
8F	L	-
7F	L	-

Connector No.	E71
Connector Name	HEADLAMP ANIMG MOTOR RH
Connector Type	HS03FGY



1	2	3
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Terminal No.	Color of Wire	Signal Name [Specification]
2	W	ANMER SIG
3	B	ANMER GND
3	G	ANMER VCC

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

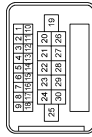
IGNITION POWER SUPPLY

Connector No.	E72
Connector Name	HEADLAMP SWIVEL ACTUATOR RH
Connector Type	RSDBECY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	W	-

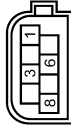
Connector No.	E76
Connector Name	WIRE TO WIRE
Connector Type	SAA18FB-RS10-SLZ2



Terminal No.	Color of Wire	Signal Name [Specification]
4	Y	-
5	L	-
6	B	-
7	V	-
8	LG	-
9	GR	-
10	LG	-
11	LG	-
12	BG	-
13	B	-
14	R	-
15	G	-
16	V	-
17	B	-
18	P	-
21	B	-
22	SHIELD	-
23	P	-
24	L	-
25	V	-

26	B	-
28	B	-

Connector No.	E60
Connector Name	ICC SENSOR
Connector Type	AAZDBFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
3	L	ITS COMB-H
8	Y	ITS COMB-L
8	B	GROUND

Connector No.	EE3
Connector Name	EXHAUST GAS / OUTSIDE COOL-RETURNING SENSOR
Connector Type	RHD3FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	AOS POWER
2	P	AOS S GND
3	G	AOS S OUTPUT

Connector No.	E103
Connector Name	COOLING FAN RELAY 1
Connector Type	24384-4G40A



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SB	-
3	BR	-
5	R	-

Connector No.	E118
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LD2FB-MG



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-

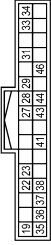
Connector No.	E120
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
7	-	-
13	-	-
14	-	-
15	-	-
17	-	-
18	-	-

7	B/W	-
9	Y	-
10	LG	-
11	V	-
13	Y	-
14	SB	-
15	Y	-
17	GR	-
18	L	-

Connector No.	E121
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH02FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
19	P	-
22	BG	-
23	LG	-
27	GR	-
28	P	-
29	L	-
31	G	-
33	SB	-
34	Y	-
35	G	-
36	SB	-
37	GR	-
38	BR	-
43	V	-
44	GR	-
46	R	-

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	E123
Connector Name	FRAME 19 IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12PW-CS



52	53	54	55
56	57	58	59
60	61	62	63

Terminal No.	Color of Wire	Signal Name [Specification]
52	G	-
53	BR	-
54	Y	-
55	W	-
56	L	-
57	P	-
58	SP	-
59	V	-
60	GR	-
61	-	-

Connector No.	E124
Connector Name	FRAME 19 IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FW-NH



64	65	66	67
68	69	70	71
72	73	74	75

Terminal No.	Color of Wire	Signal Name [Specification]
64	GR	-
65	GR	-
66	GR	-
67	BR	-
68	Y	-
69	P	-
70	-	-
71	-	-
72	-	-

Connector No.	E125
Connector Name	FRAME 19 IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FW-CS



74	75	76	77
78	79	80	81

Terminal No.	Color of Wire	Signal Name [Specification]
74	G	-
75	R	-
76	V	-
77	W	-
78	L	-
79	L	-
80	BR	-
81	P	-

Connector No.	E127
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FBR-MC



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	E128
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FCY-MC



3	4
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	L	-

Connector No.	F1
Connector Name	COMPRESSOR
Connector Type	RH02FB



1	2
---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-

Connector No.	F2
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY



5	4	3	2	1
10	9	8	7	6

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	IGNITION POWER SUPPLY
2	P	BATTERY POWER SUPPLY (MEMORY BACK-UP)

3	L	CAN-H
4	LG	C-LINE
5	GR	COMMON
6	GR	IGNITION POWER SUPPLY
7	BG	BACK-UP LAMP RELAY
8	P	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	F7
Connector Name	ECM
Connector Type	RH40FB-R28-L-UH-Z



48	44	40		32	28	24	20	16	12	8	4
47	43		35	31			19	15	11		3
46		38	34	30		22	18	14			2
			37	33	29	25	21	17		5	1

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	F15
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-

Connector No.	F16
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	W	-

Connector No.	F17
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	W	-

1	GR	-
2	B	-
3	W	-

Connector No.	F18
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	W	-

Connector No.	F19
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	W	-

Connector No.	F20
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
4	R	-
5	B	-
6	W	-
7	G	-
8	BQ	-
9	GR	-
10	LG	-
21	B	-
22	B	-
31	BQ	-
32	Y	-
34	BQ	-

Connector No.	F29
Connector Name	CONDENSER
Connector Type	MD2FW-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	RH48FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	GR	-
3	BR	-
4	R	-
5	BQ	-
6	W	-
7	V	-

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	BQ	-

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< WIRING DIAGRAM >

2015 Q50

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	M4
Connector Name	AFS CONTROL UNIT
Connector Type	TH24FY-NH



Terminal No.	Signal Name [Specification]
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	BR	HEIGHT SENSOR SIGNAL
3	GR	SWIVEL ACTUATOR LIN SIGNAL
4	GR	GROUND
5	B	IGNITION POWER SUPPLY
6	P	CAN-L
7	P	SWIVEL ACTUATOR GROUND
8	P	HEIGHT SENSOR POWER SUPPLY
9	LG	ARMING MOTOR DRIVE SIGNAL
10	SB	ARMING MOTOR DRIVE SIGNAL
11	GR	HEIGHT SENSOR GROUND
12	B	ARMING MOTOR GROUND

Connector No.	M5
Connector Name	AR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Signal Name [Specification]
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
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100	100

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y/R	DR1 (+)
4	Y/B	DR1 (-)
5	Y	DR2 (+)
6	Y/R	AS1 (+)
7	Y/B	AS1 (-)
8	Y/G	AS2 (+)
9	Y	AS2 (-)
10	Y	ECZ5+
11	BR	ECZ5-

20	Y/R	ACT VENT+
21 <th>Y/B</th> <th>ACT VENT-</th>	Y/B	ACT VENT-
22 <th>SHIELD</th> <th>GNL</th>	SHIELD	GNL
23 <th>V</th> <th>AIRBAG W/L</th>	V	AIRBAG W/L
24 <th>G</th> <th>-</th>	G	-
25 <th>GR</th> <th>A/B OFF IND</th>	GR	A/B OFF IND
26 <th>G</th> <th>SATELLITE RH2 (+)</th>	G	SATELLITE RH2 (+)
27 <th>R</th> <th>SIDE SENS RH2-</th>	R	SIDE SENS RH2-
28 <th>V</th> <th>SIDE SENS LH2+</th>	V	SIDE SENS LH2+
29 <th>L</th> <th>SIDE SENS LH2-</th>	L	SIDE SENS LH2-
30 <th>LG</th> <th>IVCS</th>	LG	IVCS
31 <th>L</th> <th>CAN-H</th>	L	CAN-H
32 <th>P</th> <th>CAN-L</th>	P	CAN-L

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Signal Name [Specification]
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
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Terminal No.	Color of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
49	G	DONGLE LINK
50	V	RAIN SENSOR
51	P	CAN-L
52	L	CAN-H
53	G	REAR WINDOW DEF RLY CONT
54	R	STARTER RLY CONT
55	V	FUEL WARM BUZZER
56	B	OUTSIDE LAMP CONT
57	B	REAR WIPER CONT
58	R	IGN RELAY (E/R) CONT
59	R	DIMMER
60	GR	A/T SHIFT SELECT PWR SPLY
61	B	IGN RELAY (IPDM E/R) CONT
62	G	DR DOOR REQ SW
63	SB	PASS DOOR REQ SW
64	BR	COMBI SW INPUT 5
65	BG	COMBI SW INPUT 4
66	V	COMBI SW INPUT 3
67	Y	COMBI SW INPUT 2
68	LG	COMBI SW INPUT 1
69	L	TR LID OPNR SW

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE40BFW-FH4E-SA



Terminal No.	Signal Name [Specification]
1	1
2	2
3	3
4	4
5	5
6	6
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10	10
11	11
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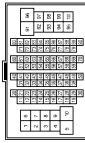
Terminal No.	Color of Wire	Signal Name [Specification]
129	LG	INT ROOM LAMP PWR SPLY
130	P	PASS DOOR UNLK OUTPUT
131	Y	BAT FUSE
132	V	RR RL DOOR UNLK OUTPUT
133	BR	RR RL DOOR UNLK OUTPUT
134	B	GND
135	V	FRONT DOOR UNLK OUTPUT
136	V	INT ROOM LAMP CONT
137	LG	FRONT DOOR FL UNLK OUTPUT
138	P	REAR DOORS ACT PWR SPLY
139	W	BAT (E/L)
140	BR	IGN ON
141	R	PWR SPLY (BAT)
142	R	FRONT DOORS FL LID ACT PWR SPLY
143	B	GND

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-
3	R	-
4	SHIELD	-
5	G	-
6	RG	-
7	LG	-
8	P	-
9	SHIELD	-
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	P	-
16	SB	- [With DCM]
17	V	- [Without DCM]
18	Y	-
19	G	-
20	GR	-
21	R	-
22	W	-
23	L	-
24	V	-
25	LG	-
26	GR	-
27	LG	-
28	SB	-
29	LG	-
30	LG	-
36	R	-
37	R	-
38	W	-
39	V	-
45	G	-
46	SHIELD	-
47	G	-
48	BR	-

49	SB	-
52	Y	-
53	R	-
54	GR	-
57	R	-
58	SB	-
59	LG	-
62	V	-
63	L	-
64	W	-
66	R	-
68	L	-
69	P	-
71	R	-
72	G	-
73	SHIELD	-
76	V	-
84	BR	-
85	BR	-
86	V	-
87	LG	-
88	BR	-
89	BR	-
90	V	-
92	W	-
93	R	-
94	R	-
95	Y	-
96	W	-
97	L	-
99	BR	-
100	BR	-

Connector No.	M23
Connector Name	BLOWER MOTOR
Connector Type	NS03FW-M3



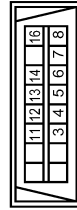
Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	P	-
6	B	-

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-M4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
3	W	BATTERY
4	L	CAN-H
5	B	GND
9	L	CAN-H
10	R	CAN-L
11	B	GND
12	R	CAN-L

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
3	SB	AV COMM (L)
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE
8	W	IGN SW
11	LG	AV COMM (H)
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

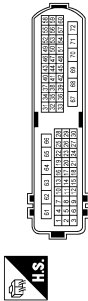
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO] - [Without DRPO]
20	Y	-
21	B	-
22	BG	- [Without DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO] - [With DRPO]
26	Y	-
27	GR	-
28	Y	-
29	B	-
30	B	-
31	SB	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
40	P	-
41	SB	-
43	Y	-
44	BG	-

46	BR	-
47	G	-
48	V	-
49	B	-
52	BR	-
53	B	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

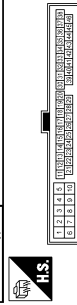
Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
14	W	-
16	G	-
17	B	-
18	W	-

19	B	- [With DRPO] - [Without DRPO]
20	SB	-
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO] - [With DRPO]
24	P	-
25	G	-
26	BG	- [Without DRPO] - [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO] - [With DRPO]
30	L	-
49	P	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M35
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
4	R	-
5	B	-
6	W	-

7	W	-
8	BG	-
9	R	-
10	LG	-
21	B	-
22	B	-
31	BG	-
32	W	-
34	BG	-

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/B	-
2	SB	-
3	L	-
4	P	- [Without Gateway] - [With Gateway]
7	L	-
8	W	-
13	G	-
15	R	-
17	BR	-
18	BG	-
27	LG	-
28	BR	-
29	W/B	-
30	W	-
32	LG	-

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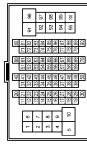
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	L	-
4	V	-
5	W/B	-
6	Y	-
7	W	-
8	W	-
9	W	-
10	W	-
11	W	-
12	B	-
13	GR	-
14	B	-
15	SB	-
16	B	-
17	LG	-
18	B	-
31	W	-
32	V	-
35	RG	-
36	G	-
37	B	-
38	L	-
39	Y	-
40	GR	-
41	L	-
44	BR	-
45	W	-
46	G	-
47	R	-
48	SHIELD	-
49	B	-
50	BR	-
51	L	-
52	W	-
53	G	-
54	Y	-
55	P	-
56	EG	-
57	GR	-
58	B	-

59	SB	-
60	W/B	-
62	SB	-
63	LG	-
64	Y	-
65	R	-
66	V	-
67	LG	-
68	EG	-
71	V	-
72	LG	-
73	R	-
74	BR	-
75	B	-
78	G	-
79	R	-
83	R	-
86	V	-
91	W	-
92	R	-
94	EG	-
95	BR	-
96	W	-
97	LG	-
98	Y	-
99	BR	-
100	SHIELD	-

Connector No.	M42
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (-)
2	Y	AWD SOL (-)
3	W/B	FLUID TEMP (-)
7	G	IGN
8	L	CAN-H
9	EG	AWD SOL BAT
10	B	OND
11	B	OND
13	LG	FLUID TEMP (+)

15	W	BATTERY POWER SUPPLY
16	P	ON-LE [Through Gateway]
18	R	CAN L [When Gateway]

Connector No.	M46
Connector Name	HEATED SEAT RELAY
Connector Type	MS30ZL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	G	-
5	LG	-

Connector No.	M49
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	POWER STEERING SOLENOID POWER SUPPLY
3	W	IGNITION POWER SUPPLY
5	B	GROUND
6	B	VEHICLE SPEED SIGNAL
8	L	ENGINE SPEED SIGNAL
10	V	-

Connector No.	M54
Connector Name	IONIZER
Connector Type	TH04FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN
3	B	GND
4	EG	IGN ON/OFF

Connector No.	M56
Connector Name	DRIVER ASSISTANCE BUZZER CONTROL MODULE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	IGNITION
3	L	ITS COMM-H
5	B	GROUND
8	R	WARNING BUZZER SIGNAL
11	B	ITS COMM-L
13	B	-
16	G	WARNING BUZZER SIGNAL GROUND

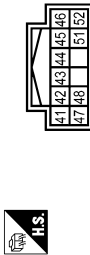
JRMWG3733GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

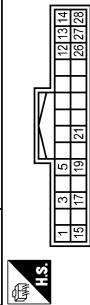
IGNITION POWER SUPPLY

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH28FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	R	IGNITION SIGNAL
47	LG	CAN COMMUNICATION SIGNAL (H)
48	SG	CAN COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M40
Connector Name	NAVY CONTROL UNIT
Connector Type	TH28FW

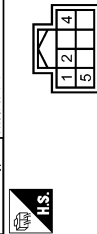


POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

IGNITION POWER SUPPLY

Connector No.	M177
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH40FW-NH



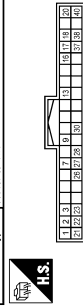
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	G	IGN
5	L	CAN-H

Connector No.	M81
Connector Name	TCU
Connector Type	TH40FW-NH



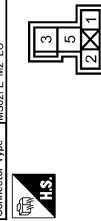
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	B	GND
3	Y	ACC
4	R	IGN
5	SB	ACC OUTPUT
6	SB	ACC
7	B	GND
8	L	CAN-H
9	P	CAN-L
10	L	MICROPHONE VCC
11	G	MICROPHONE SIGNAL
12	SHIELD	SHIELD
13	L	MICROPHONE VCC
14	G	SOUND SIGNAL
15	SHIELD	SHIELD
16	G	SOS CALL SWITCH SIGNAL
17	BR	SOS SWITCH LED SIGNAL

Connector No.	M88
Connector Name	A/C AUTO AMP
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	B	GND
3	W	BAT
4	G	AMBIENT SENS
5	R	SUNLOAD SENS
6	Y	IGN SW ACC
7	P	DOOR MOTOR PWR SPPLY
8	R	BLOWER MOTOR CONT
9	P	HEAT STRG WHL RLY CONT
10	L	CAN-L
11	P	GND
12	W	IGN SW ON
13	B	SENS GND
14	LG	IN-VEHICLE SENS
15	BR	INTAKE SENS
16	BG	EXH GAS/OUT DOOR DTCT SENS
17	B	GND
18	BG	IONIZER CONT
19	BG	ECV CONT

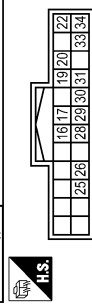
Connector No.	M87
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS0FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BACK-UP LAMP RELAY
2	W	MS0FL-M2-LC
3	W	GND
4	W	CAN-H
5	G	CAN-L

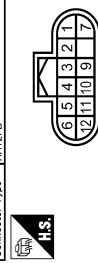
3	R	BR
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Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	AV COMM (L)
2	R	DIMMER SIGNAL
3	BR	REVERSE SIGNAL
4	B	GND
5	SB	CAMERA SWITCH SIGNAL
6	BR	AV COMM (H)
7	LG	CAN-H
8	L	IGN
9	R	VEHICLE SPEED SIGNAL (8-PULSE)
10	R	ACC
11	SB	BAT

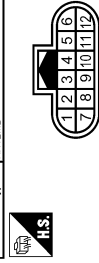
Connector No.	M124
Connector Name	ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL
Connector Type	RH12FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BATTERY
2	G	IGNITION
3	L	ITS COMM-H
4	W	GND
5	G	GND

6	Y	GROUND
7	B	ITS COMM-L
8	Y	ITS COMM-L
9	L	ITS COMM-L
10	L	ITS COMM-L
11	R	ITS COMM-L
12	BR	ITS COMM-L

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	RH12MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	WIRE TO WIRE
2	G	WIRE TO WIRE
3	L	WIRE TO WIRE
4	L	WIRE TO WIRE
5	G	WIRE TO WIRE
6	W	WIRE TO WIRE
7	R	WIRE TO WIRE
8	Y	WIRE TO WIRE
9	Y	WIRE TO WIRE
10	GR	WIRE TO WIRE
11	L	WIRE TO WIRE
12	R	WIRE TO WIRE
13	V	WIRE TO WIRE
14	BR	WIRE TO WIRE
15	P	WIRE TO WIRE

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

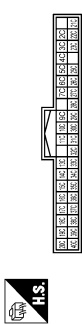
IGNITION POWER SUPPLY

Connector No.	M131
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FW-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	Y	-

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
10C	V	-
11C	V	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	RS	- [Without DPRO]
19C	B	- [With DPRO]
20C	W	-
21C	L	-
22C	L	-
23C	LG	-
25C	SB	-
27C	P	-
28C	W	-
29C	W	-
2C	R	-

30C	R	-
31C	W	-
32C	R	-
33C	B	-
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
40C	G	-
4C	P	-
5C	P	-
6C	G	-
7C	G	-
9C	V	-

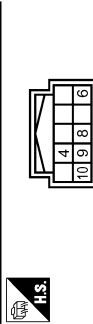
Connector No.	R3
Connector Name	WIRE TO WIRE
Connector Type	TH32MM-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	W	-
4	BR	-
5	R	-
6	G	-
7	B	-
10	BR	-
11	SB	-
12	GR	-
14	B	-
16	V	-
17	SHIELD	-
18	R	-
19	L	-
20	Y	-
21	LG	-
22	V	-
23	GR	-

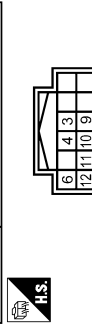
25	W	-
26	BR	-
27	BR	-
28	BR	-
29	BR	-
31	W	-
32	L	-

Connector No.	R8
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



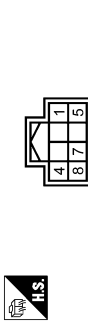
Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	-
6	GR	-
8	B	-
9	BR	-
10	BR	-

Connector No.	R8
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH12FW-NH-B



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	GROUND
4	BR	AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL
6	GR	IGNITION POWER SUPPLY
9	BR	AUTO ANTI-DAZZLING OUTSIDE MIRROR GROUND
10	BR	BATTERY POWER SUPPLY
11	GR	CAN-L
12	BR	CAN-H

Connector No.	R13
Connector Name	LANE CAMERA UNIT
Connector Type	TH68FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	CAN GND
4	L	CAN-H
5	B	GND
7	V	IGN
8	W	CAN-L

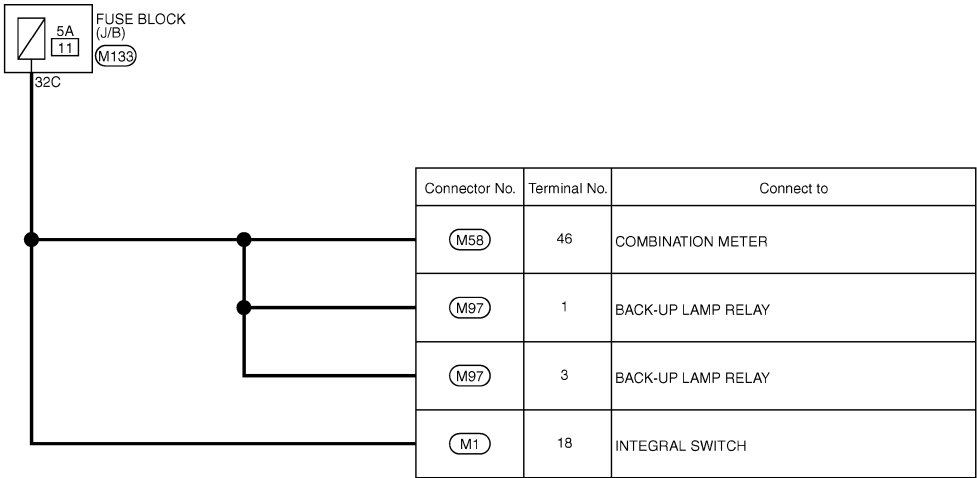
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 11 -
IGNITION POWER SUPPLY FUSE No. 11

INFOID:000000011283428



2013/05/17

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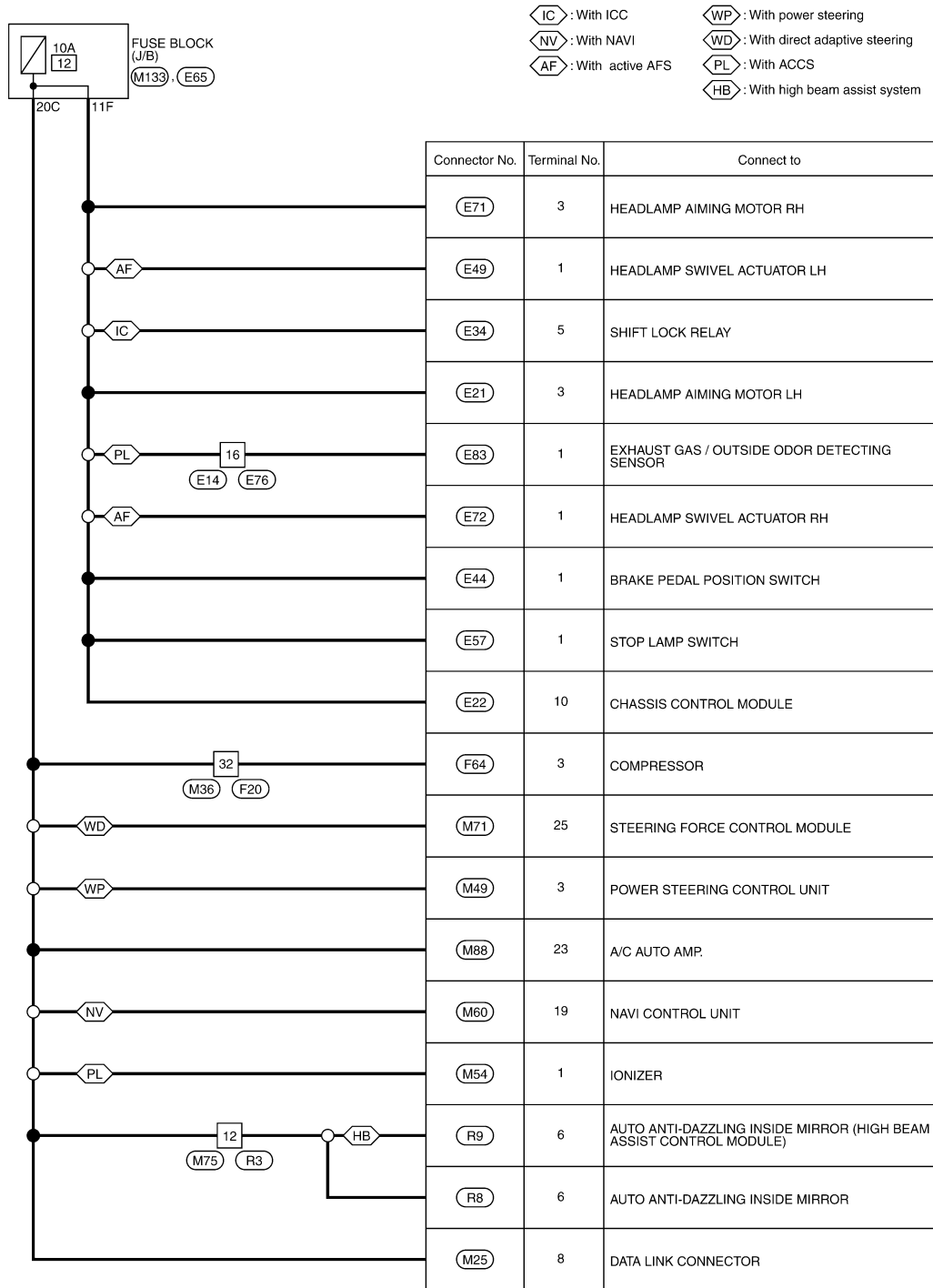
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 12 -

INFOID:000000011283429

IGNITION POWER SUPPLY FUSE No. 12



2014/07/28

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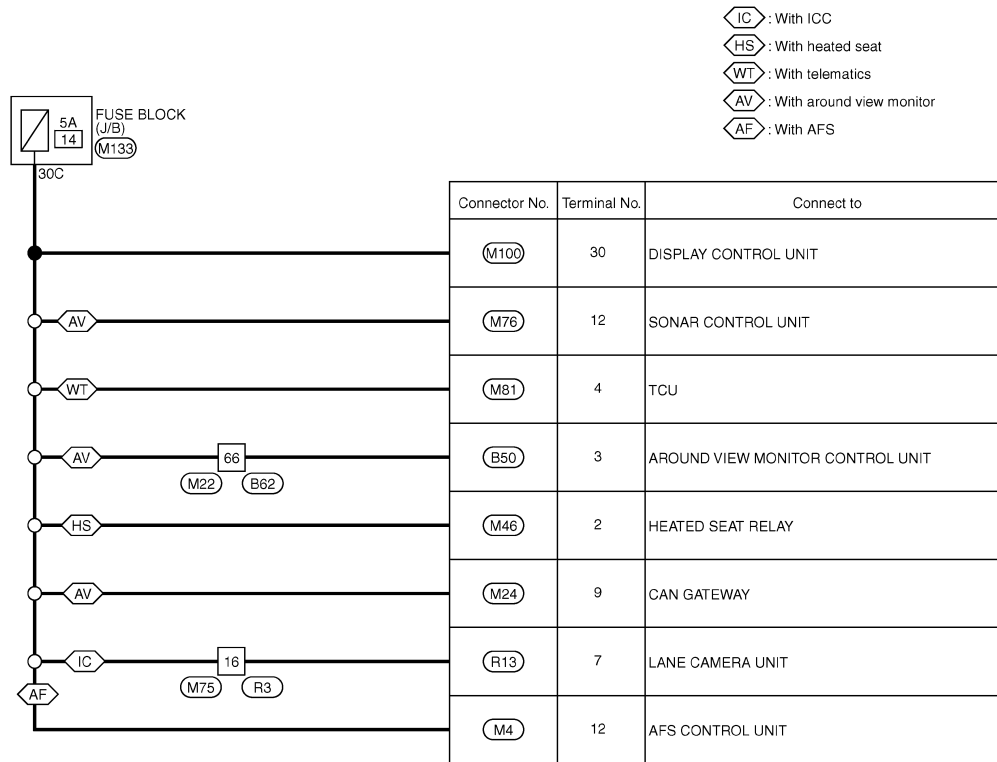
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 14 -

INFOID:000000011283430

IGNITION POWER SUPPLY FUSE No. 14



2013/05/17

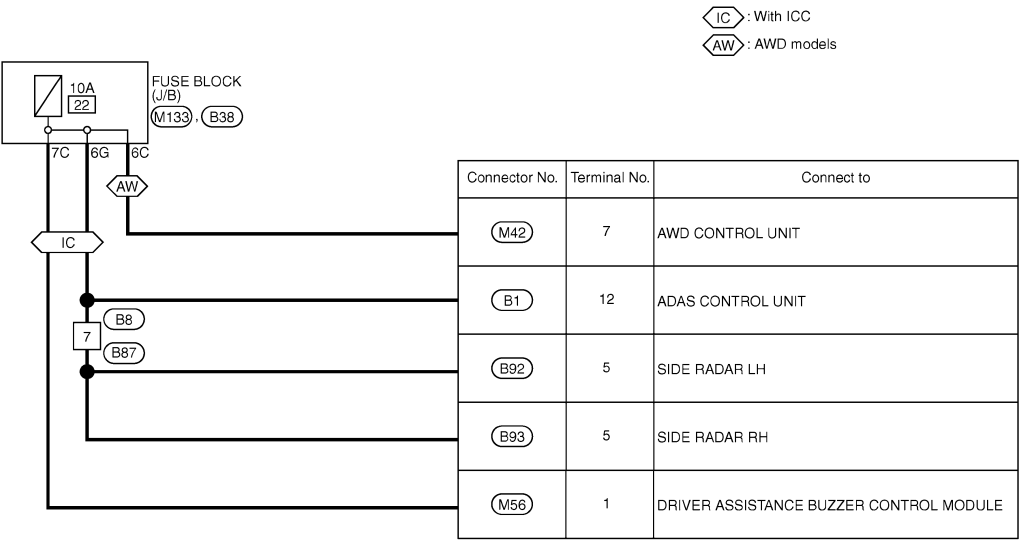
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 22 -
IGNITION POWER SUPPLY FUSE No. 22

INFOID:0000000011283431



2013/05/17

JRMWE0073GB

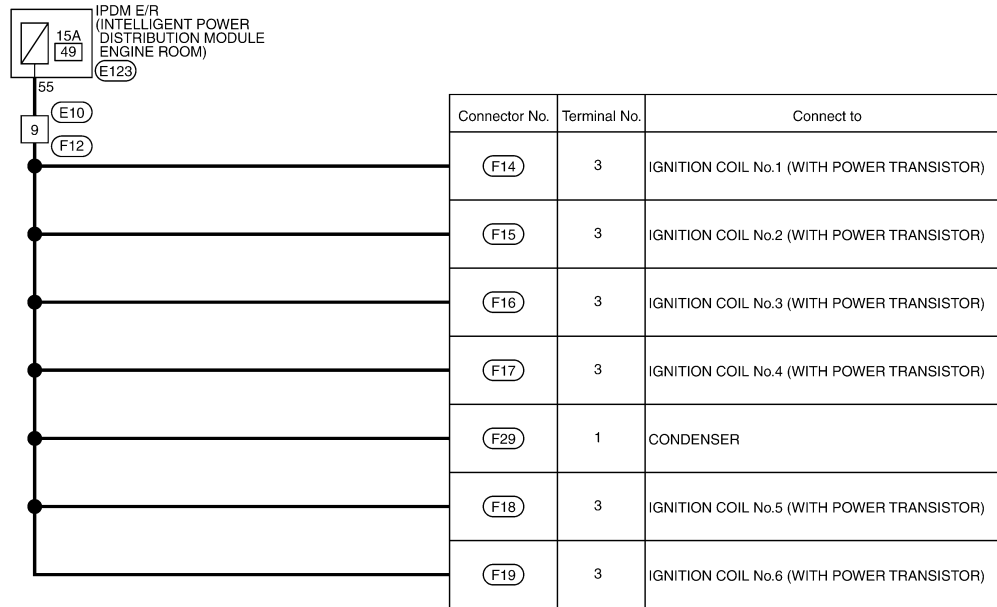
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 49 -

INFOID:000000011283432

IGNITION POWER SUPPLY FUSE No. 49



2014/07/28

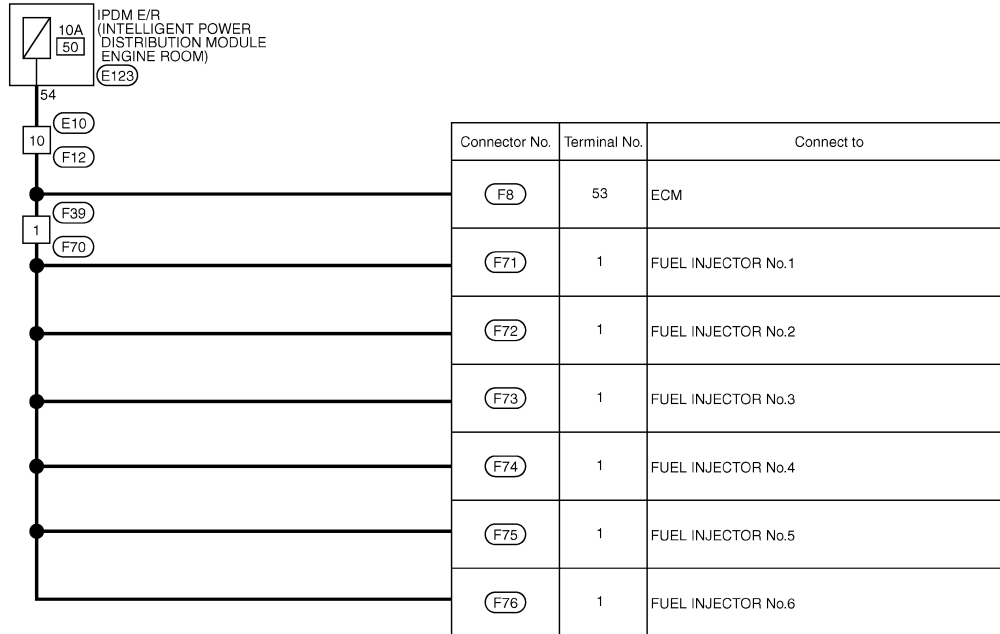
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 50 - IGNITION POWER SUPPLY FUSE No. 50

INFOID:0000000011283433



2013/05/17

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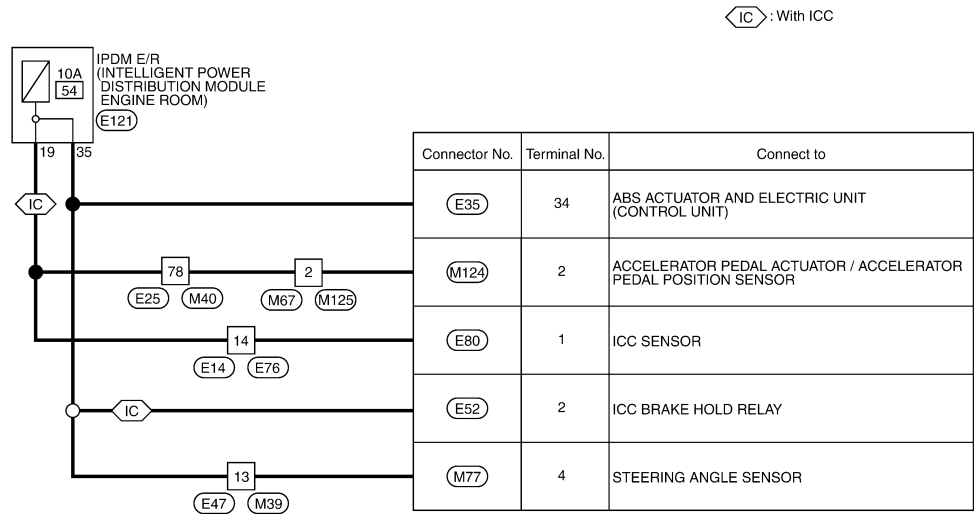
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 54 -
IGNITION POWER SUPPLY FUSE No. 54

INFOID:000000011283434



2014/07/28

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GROUND DISTRIBUTION

< WIRING DIAGRAM >

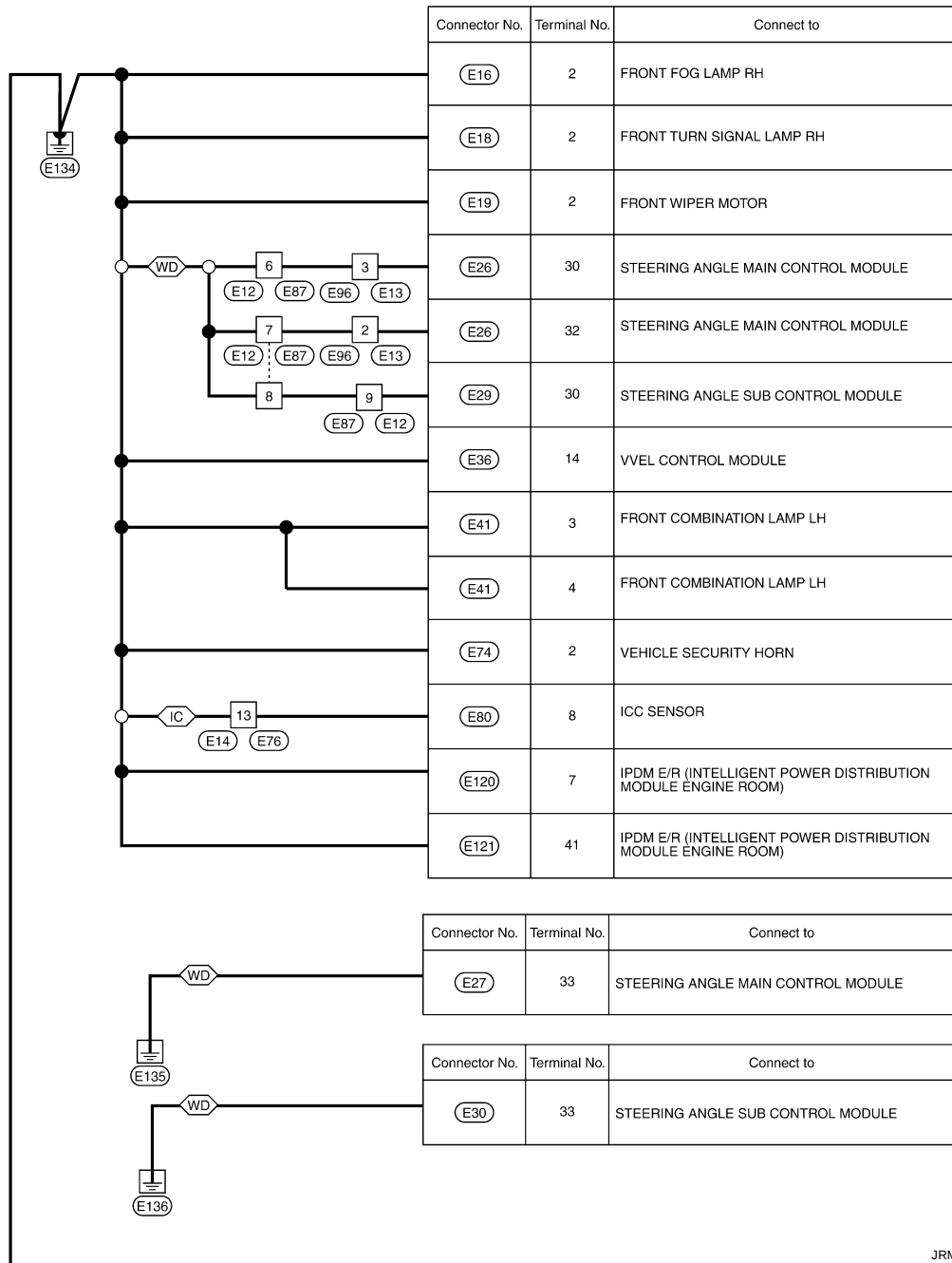
GROUND DISTRIBUTION

Engine Room Harness

ENGINE ROOM HARNESS

INFOID:0000000011504411

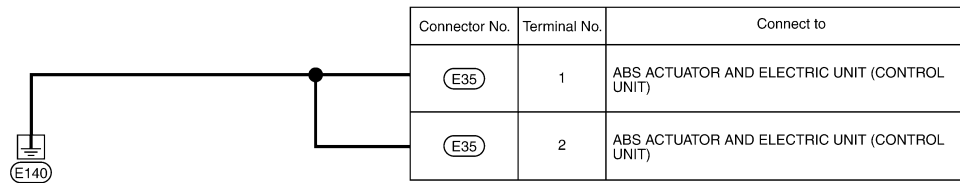
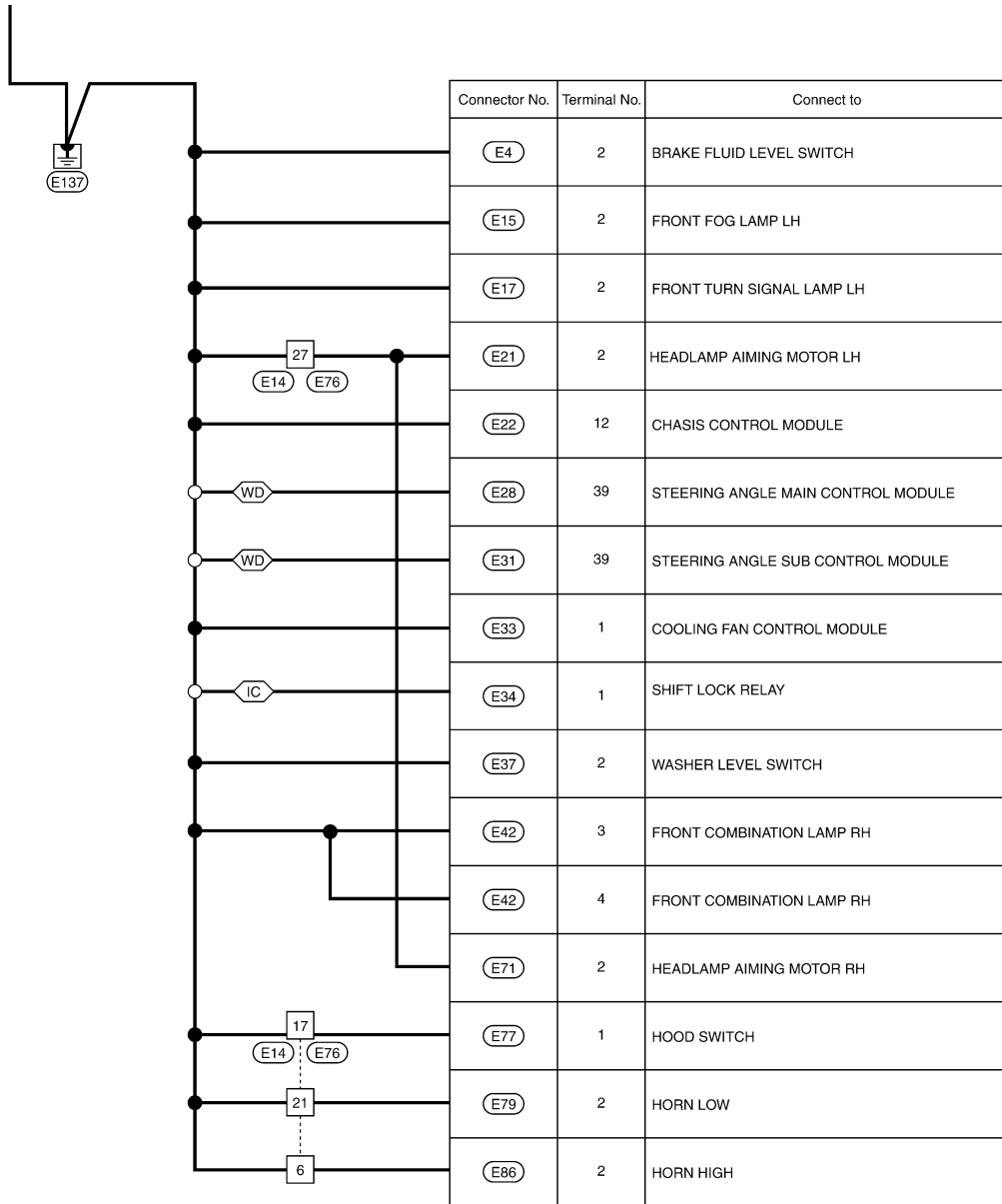
OF : Without AFS
IC : With ICC
WD : With direct adaptive steering



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GROUND DISTRIBUTION

< WIRING DIAGRAM >



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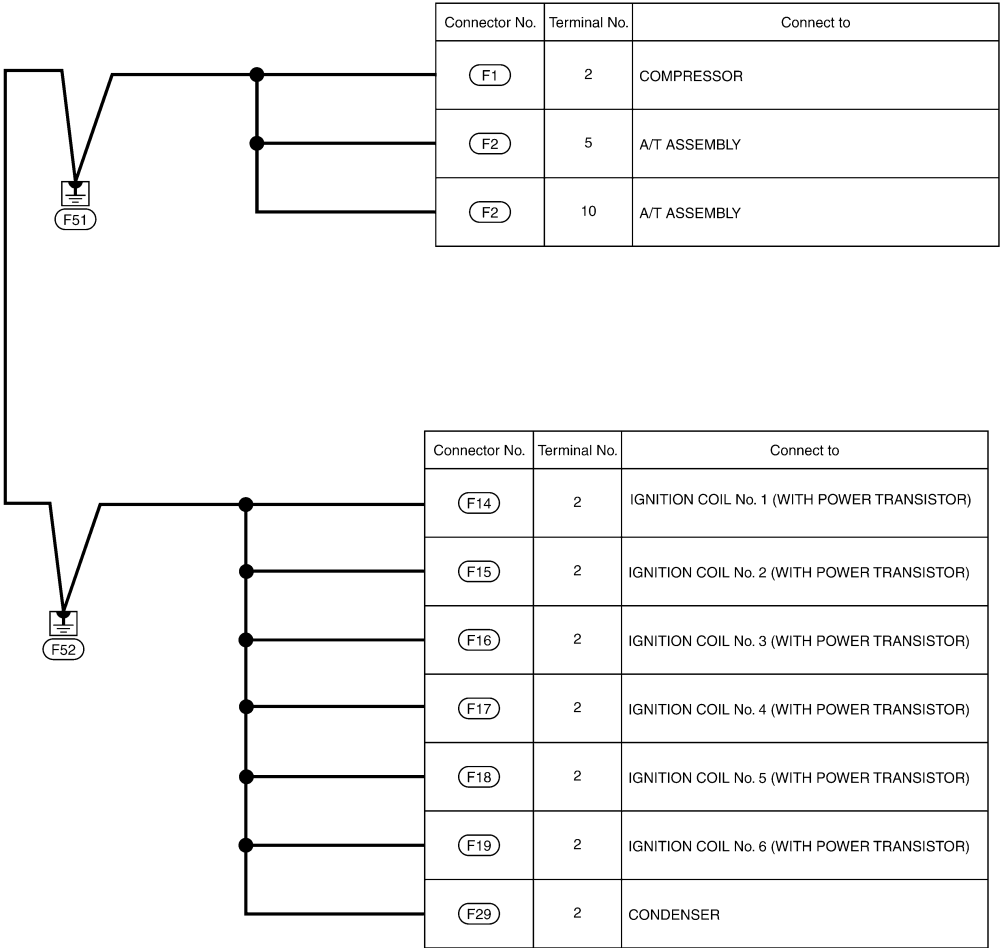
GROUND DISTRIBUTION

< WIRING DIAGRAM >

Engine Control Harness

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ENGINE CONTROL HARNESS



2014/07/28

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PG

GROUND DISTRIBUTION

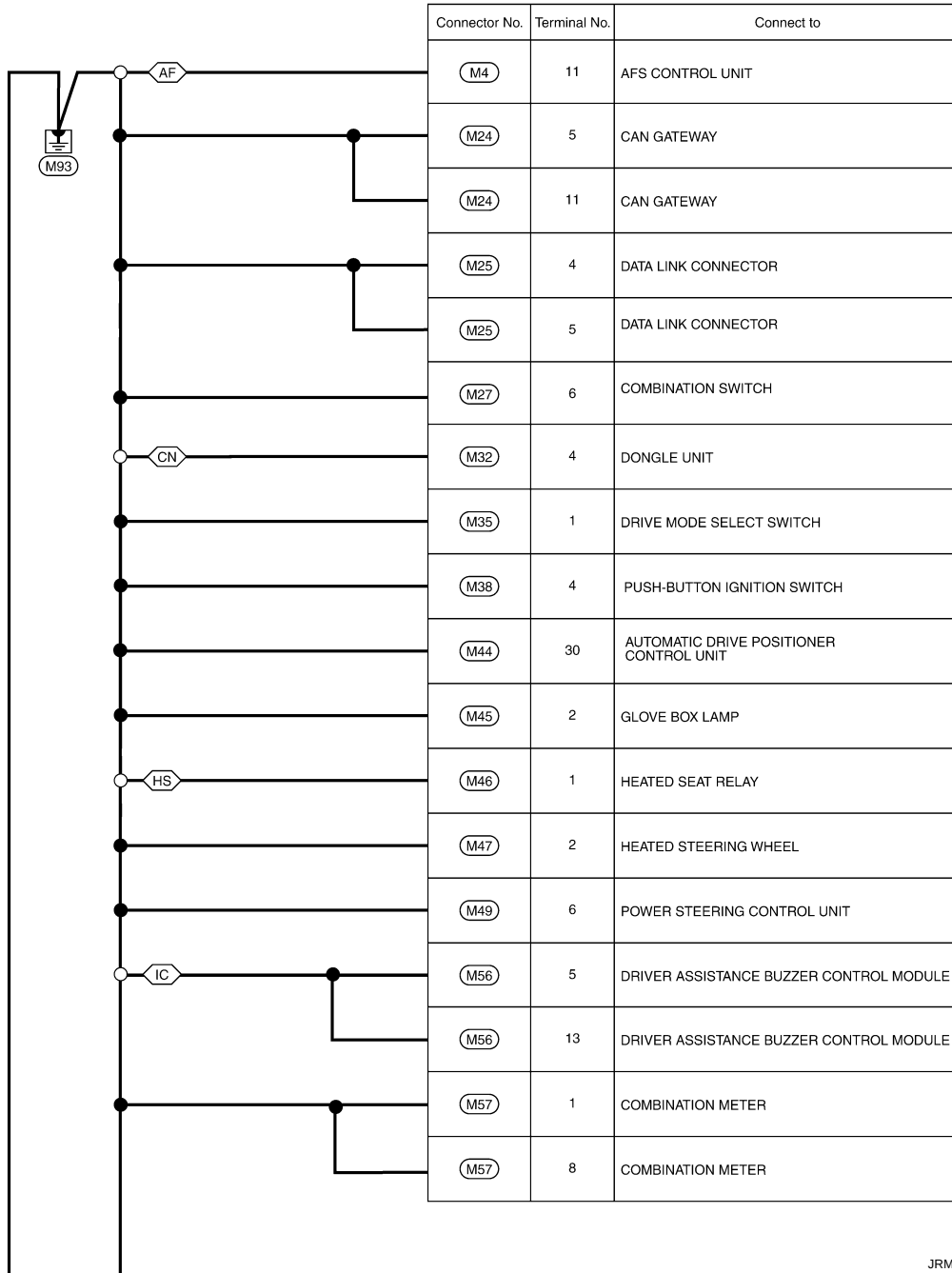
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Main Harness

INFOID:000000011504413

MAIN HARNESS

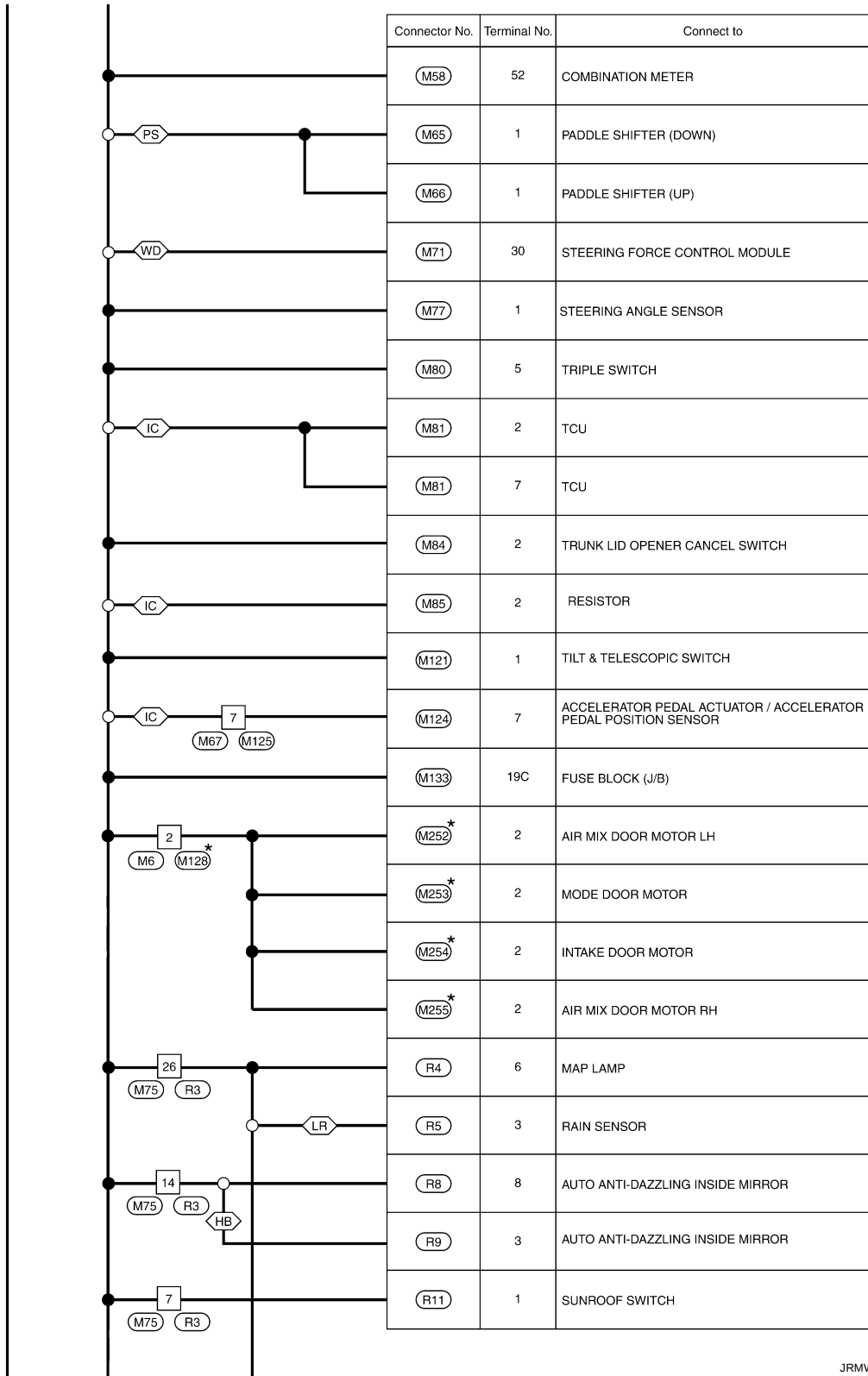
- | | |
|--------------------------------------|-----------------------------------|
| : With heated seat | : With automatic drive positioner |
| : With paddle shifter | : With ACCS |
| : With AFS | : With rain sensor |
| : With ICC | : With NAVI |
| : For Canada | : With high beam assist system |
| : With direct adaptive steering | |
| : Without automatic drive positioner | |



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GROUND DISTRIBUTION

< WIRING DIAGRAM >

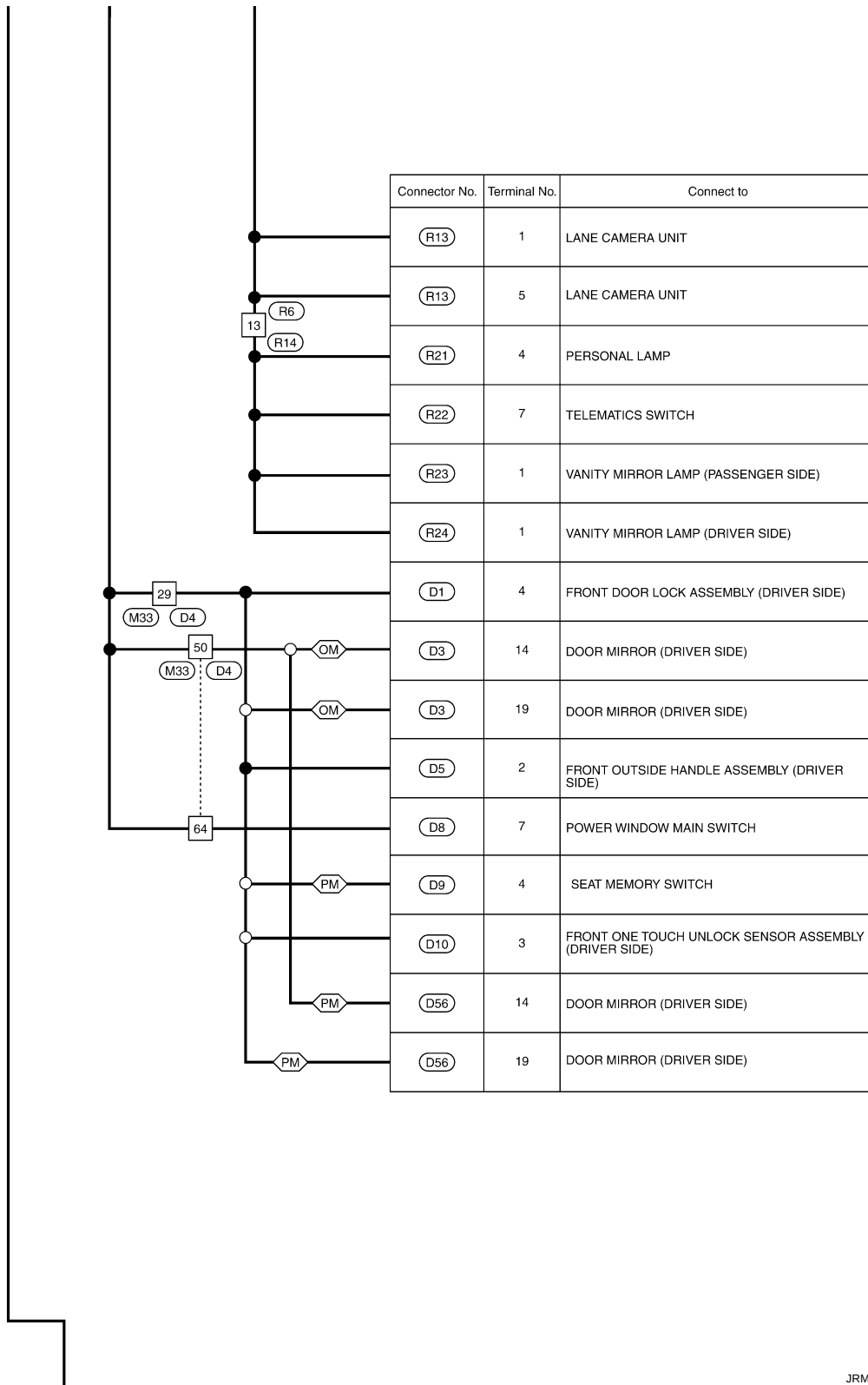


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GROUND DISTRIBUTION

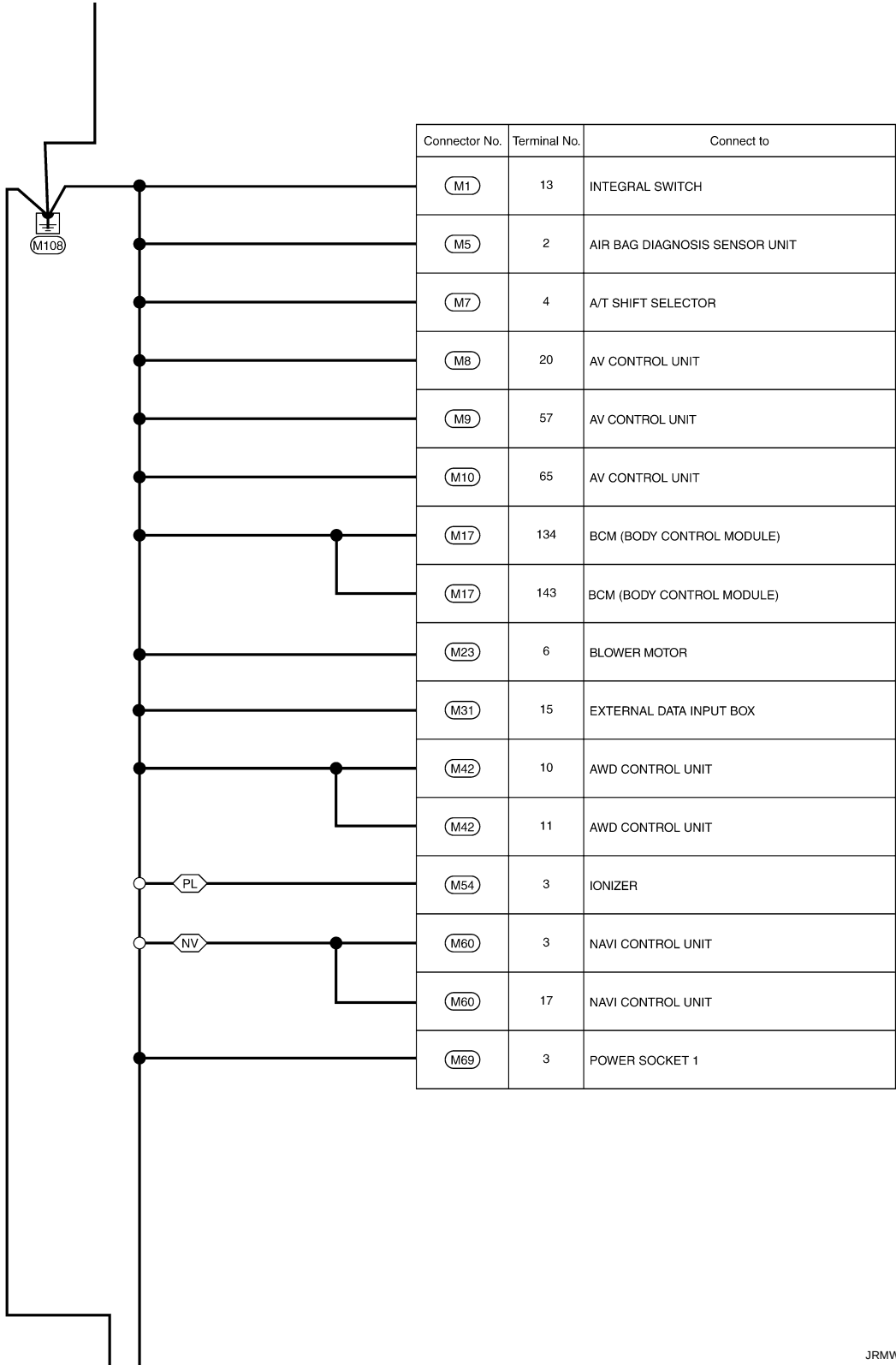
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GROUND DISTRIBUTION

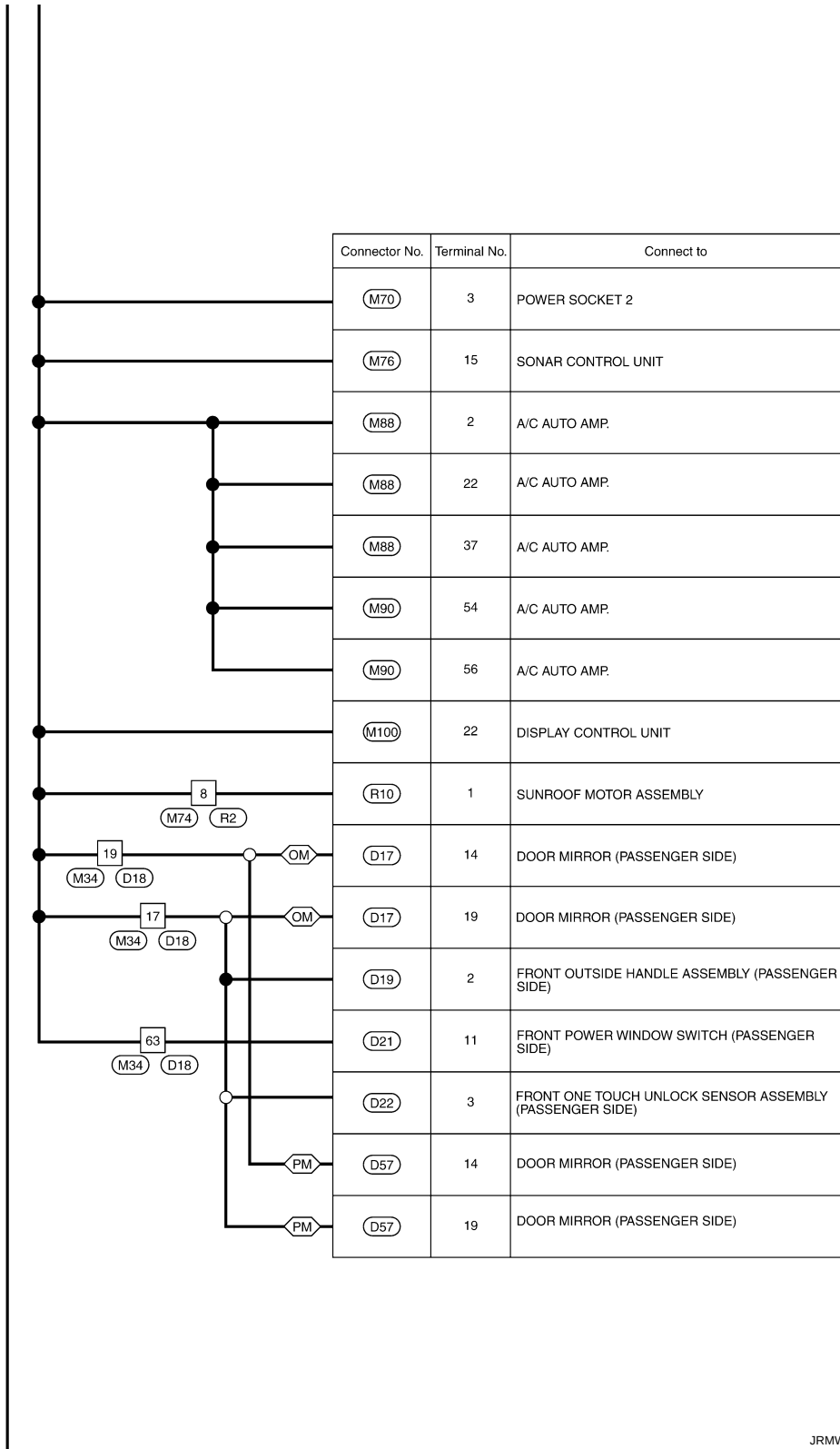
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GROUND DISTRIBUTION

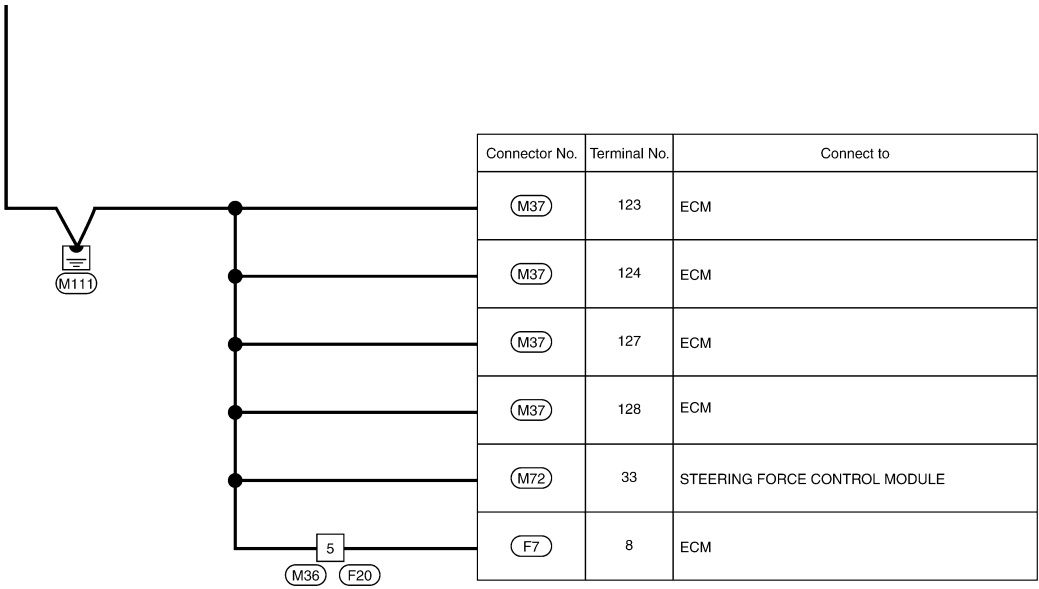
< WIRING DIAGRAM >



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GROUND DISTRIBUTION

< WIRING DIAGRAM >



★ : This connector is not shown in "Harness Layout".

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2014/07/28

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GROUND DISTRIBUTION

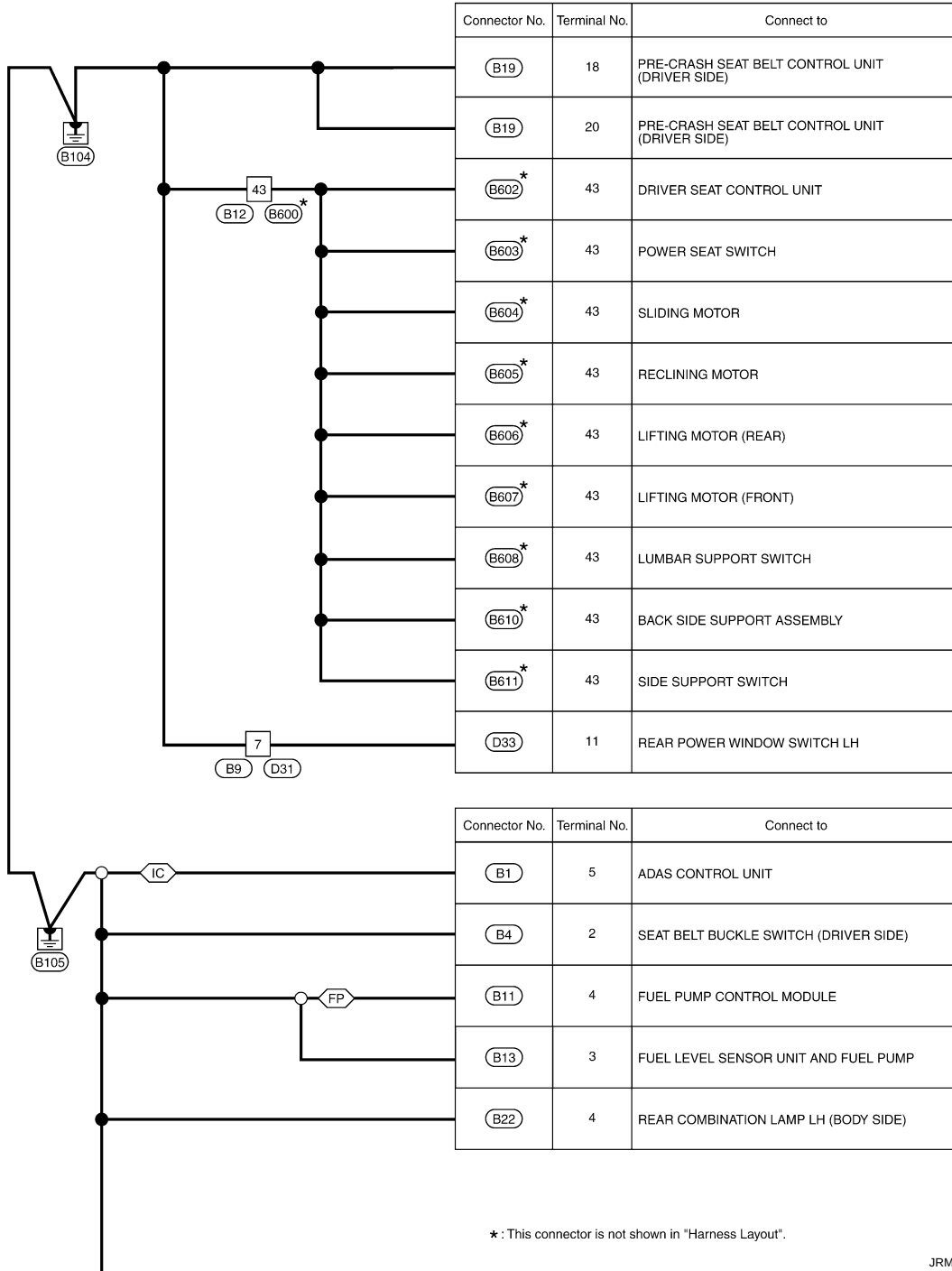
< WIRING DIAGRAM >

Body Harness

INFOID:000000011504414

BODY HARNESS

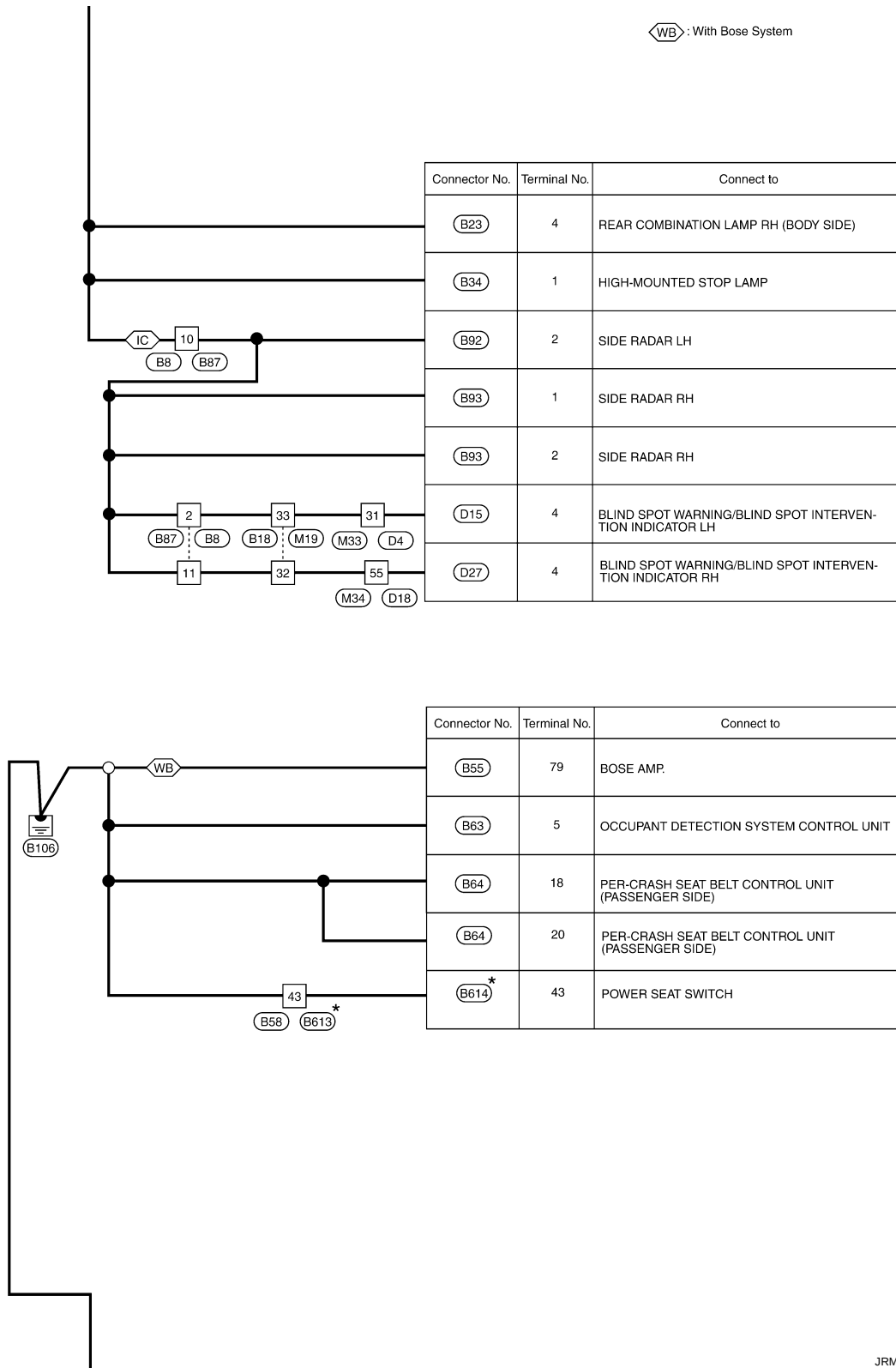
IC : With ICC
 AV : With around view monitor
 FP : With fuel pump control module



JRMWH3106GB

GROUND DISTRIBUTION

< WIRING DIAGRAM >

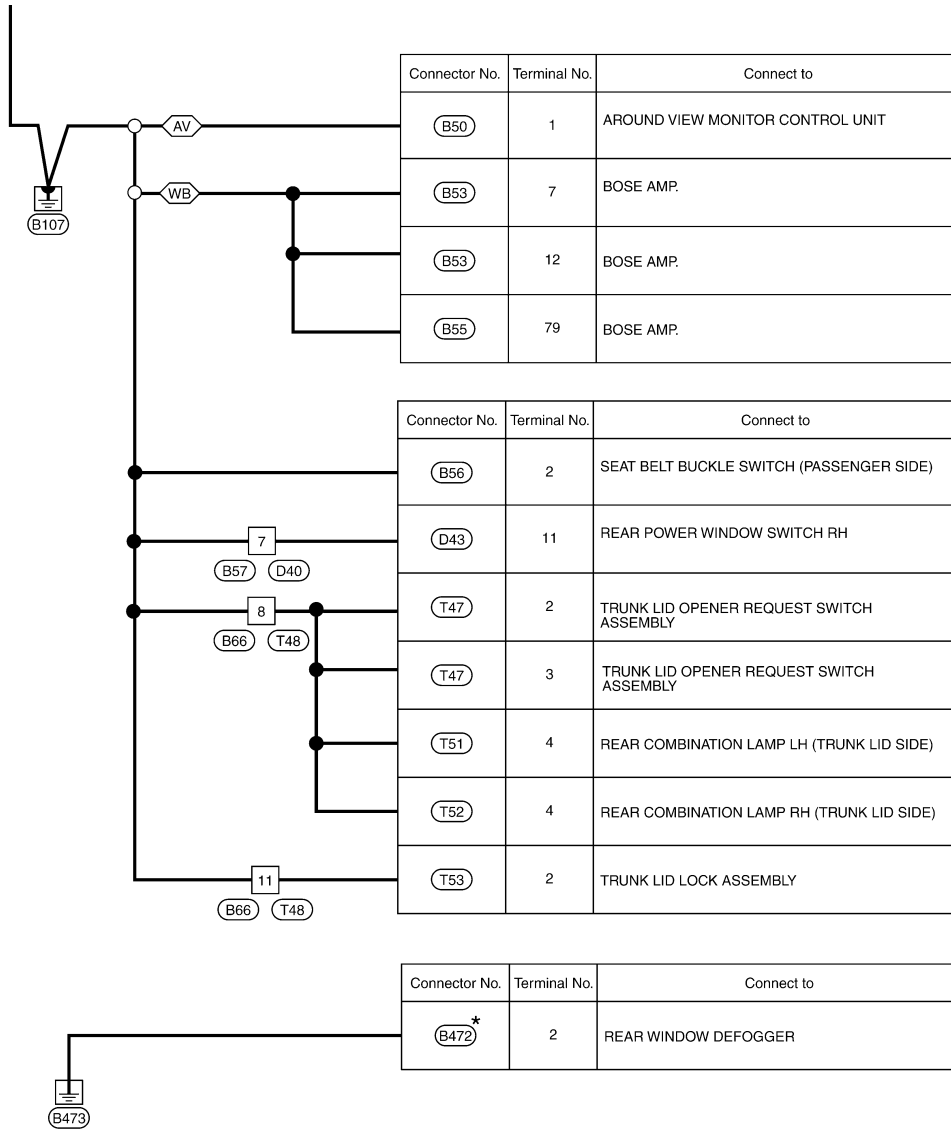


JRMWG3638GB

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GROUND DISTRIBUTION

< WIRING DIAGRAM >



2014/07/28

JRMWG3639GB

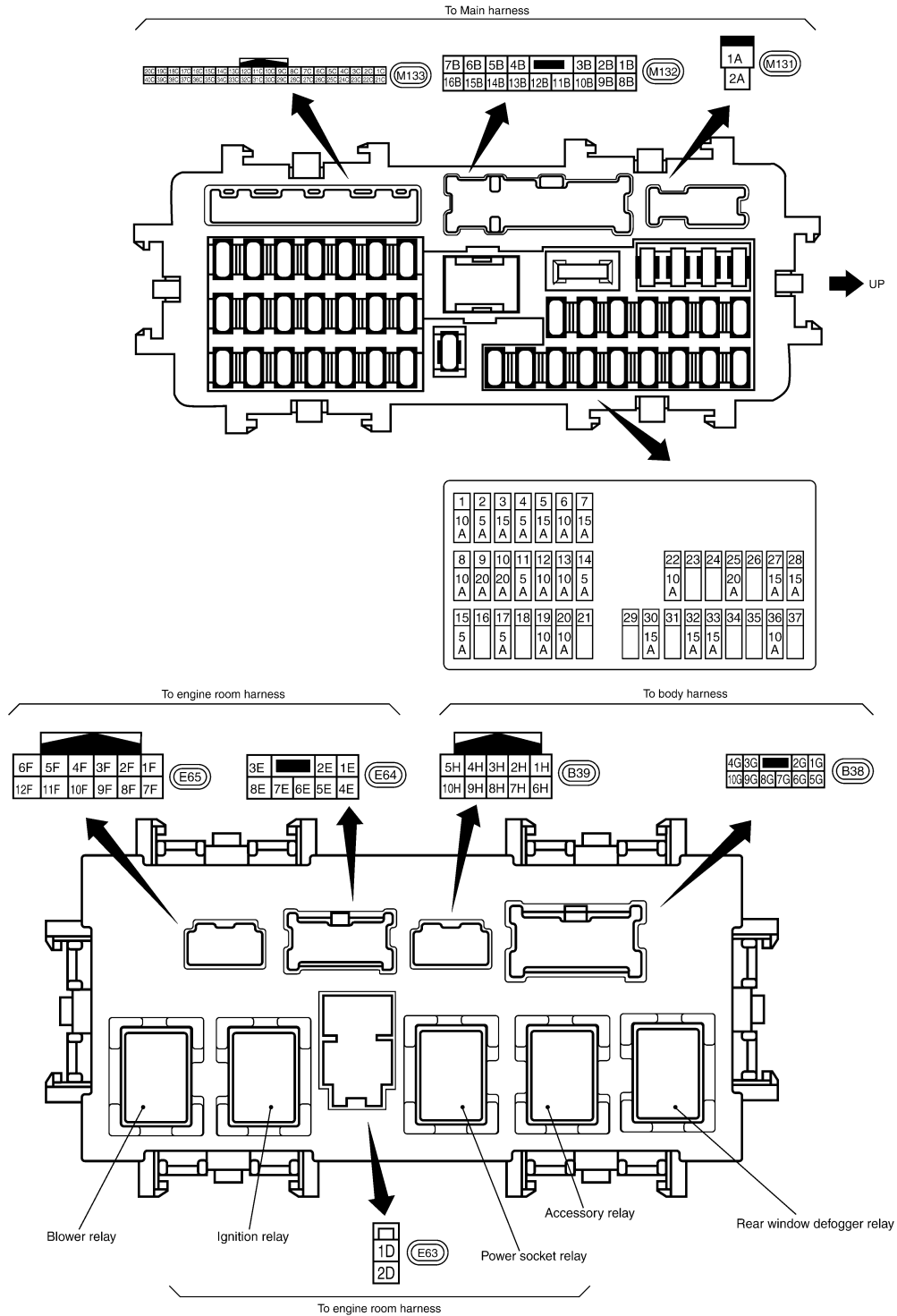
FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000011283435



2014/07/28

JRMWG3627GB

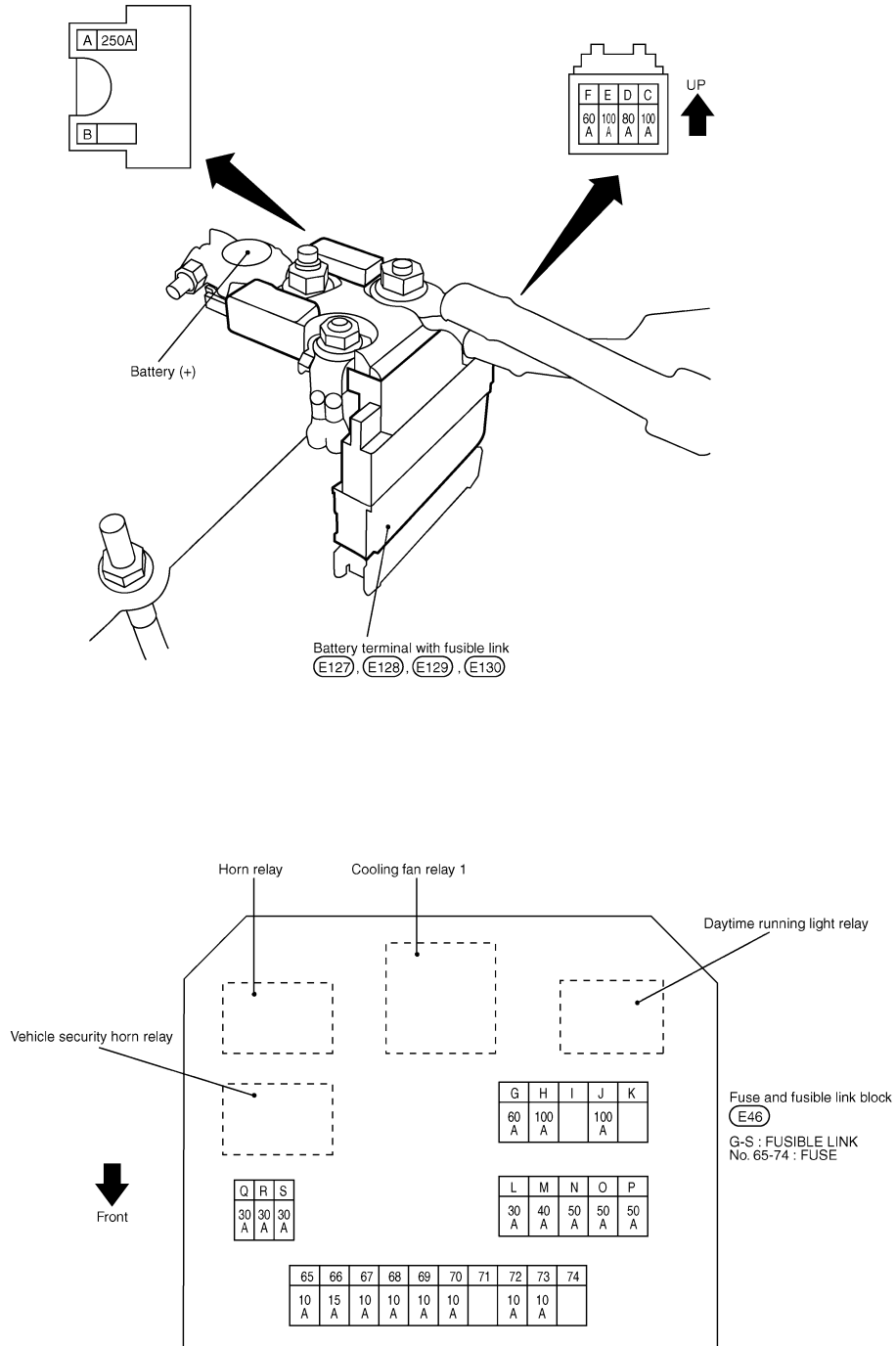
FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000011283436



2013/05/17

JRMWE0078GB

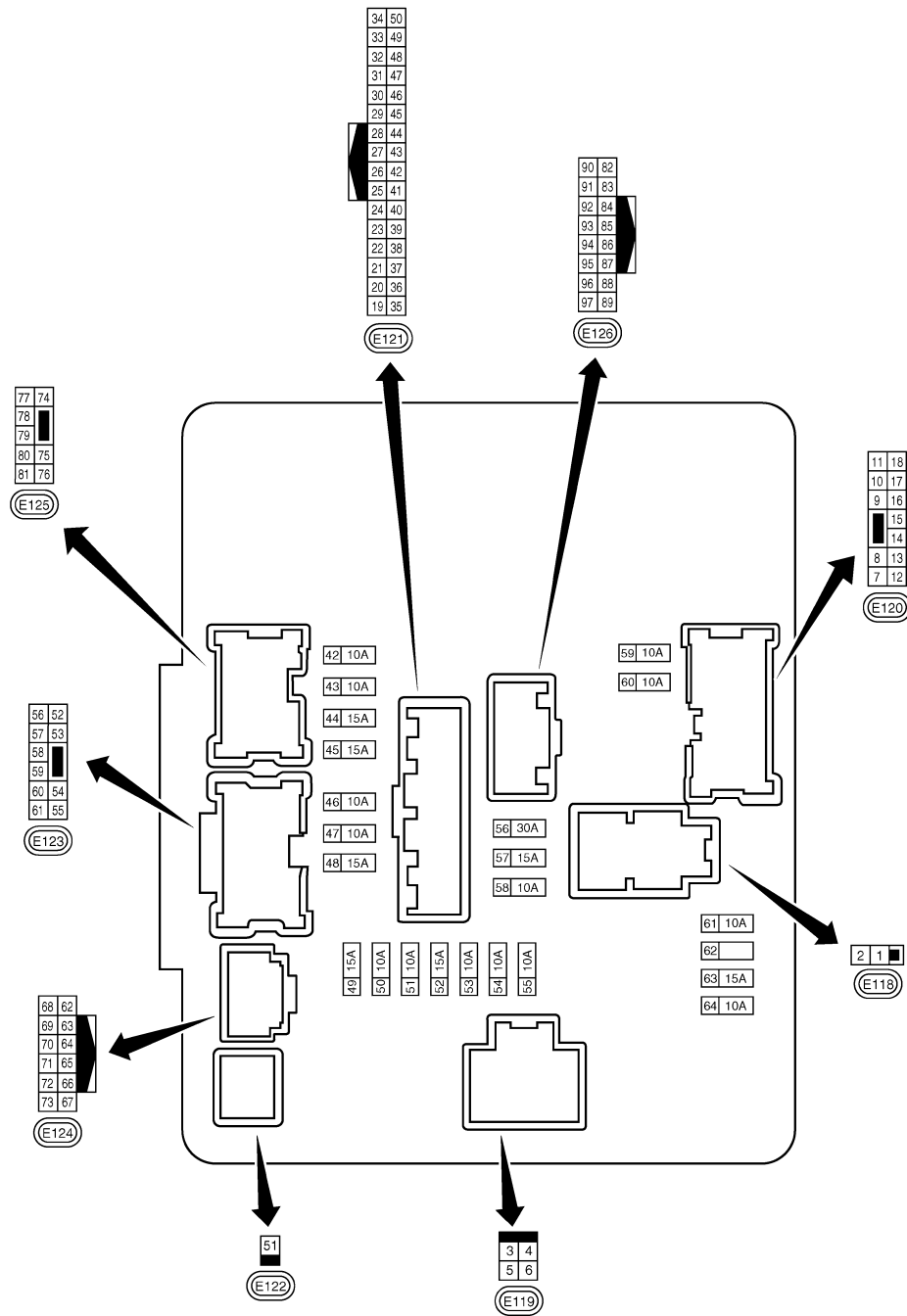
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

Fuse, Connector and Terminal Arrangement

INFOID:000000011283437



2013/05/17

JRMWE0079GB

HARNESS LAYOUT

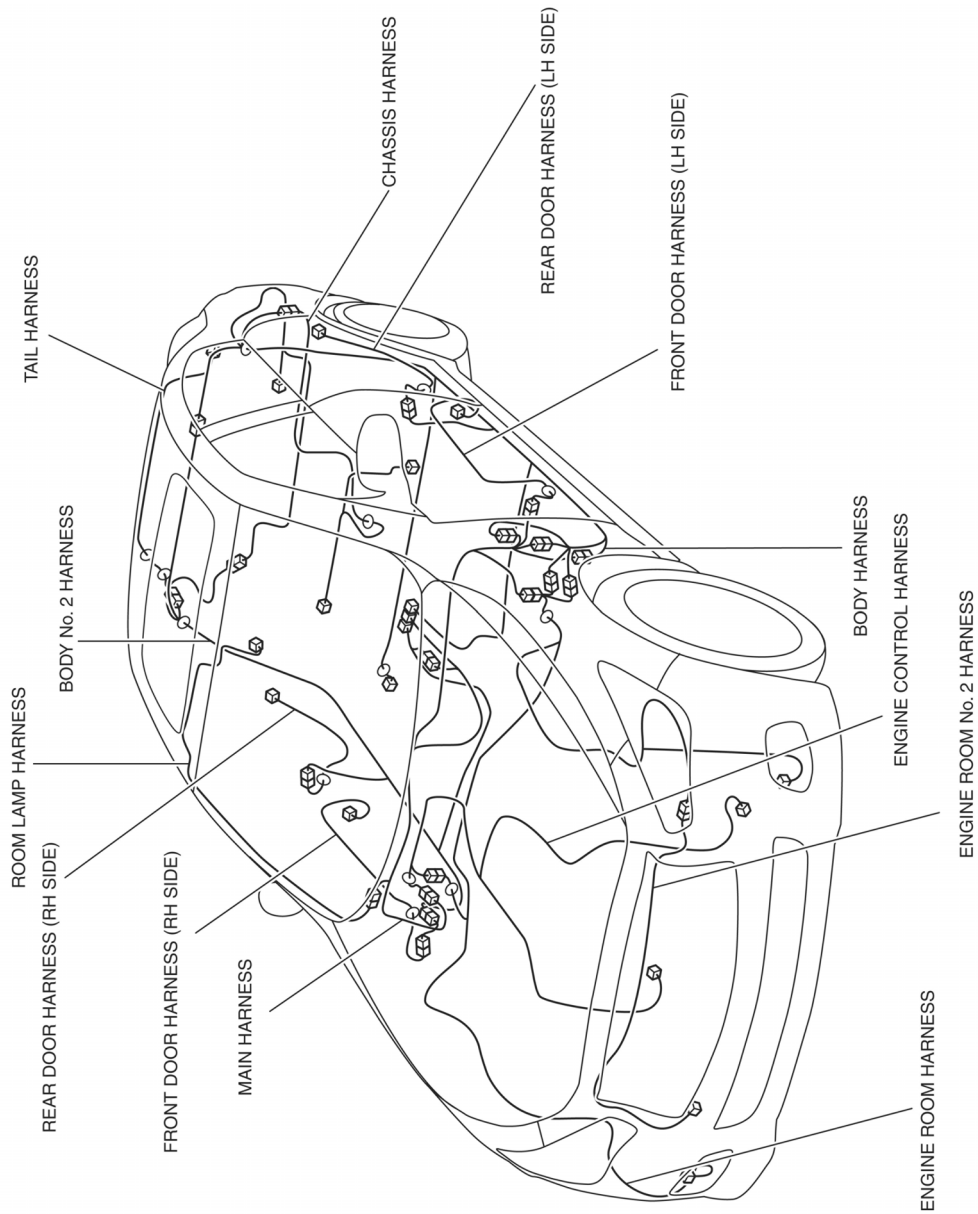
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HARNESS LAYOUT

Outline

INFOID:000000011283438

OUTLINE



JRMIC2970GB

2013/05/17

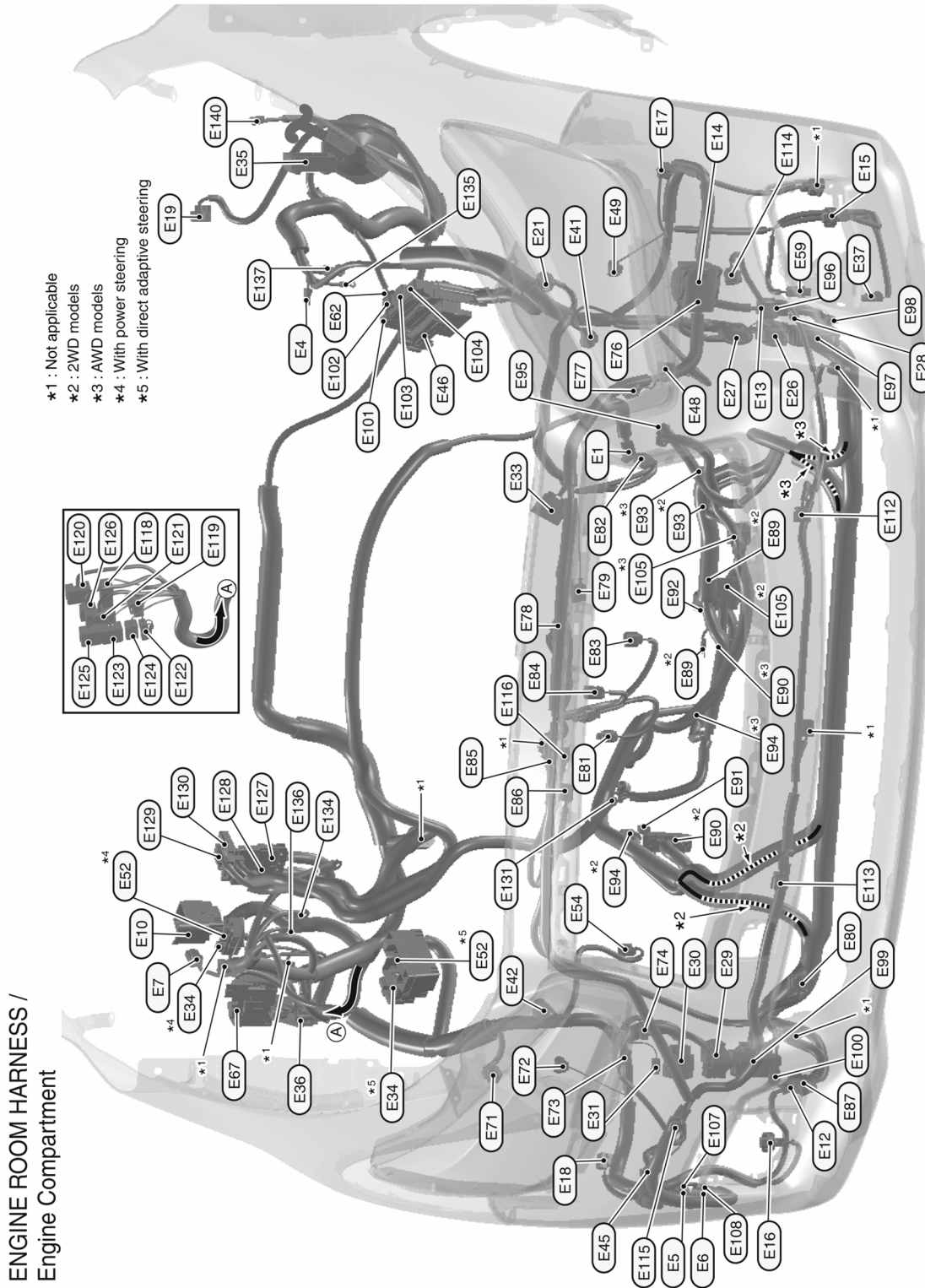
HARNESS LAYOUT

< WIRING DIAGRAM >

Engine Room Harness

INFOID:000000011283439

ENGINE COMPARTMENT



JRMIC5154GB

2014/07/28

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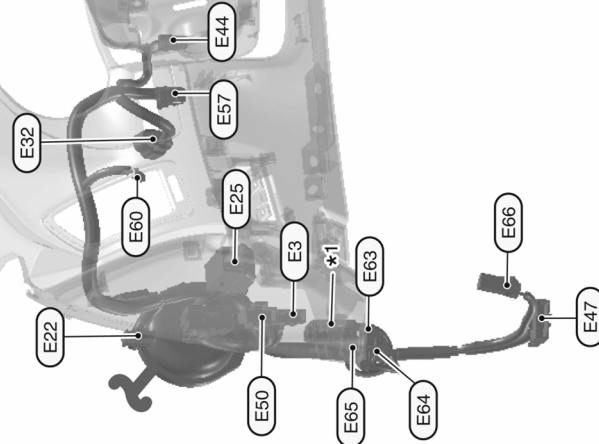
HARNESS LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment

*1 : Not applicable



2014/07/28

JRMIC5162GB

HARNESS LAYOUT

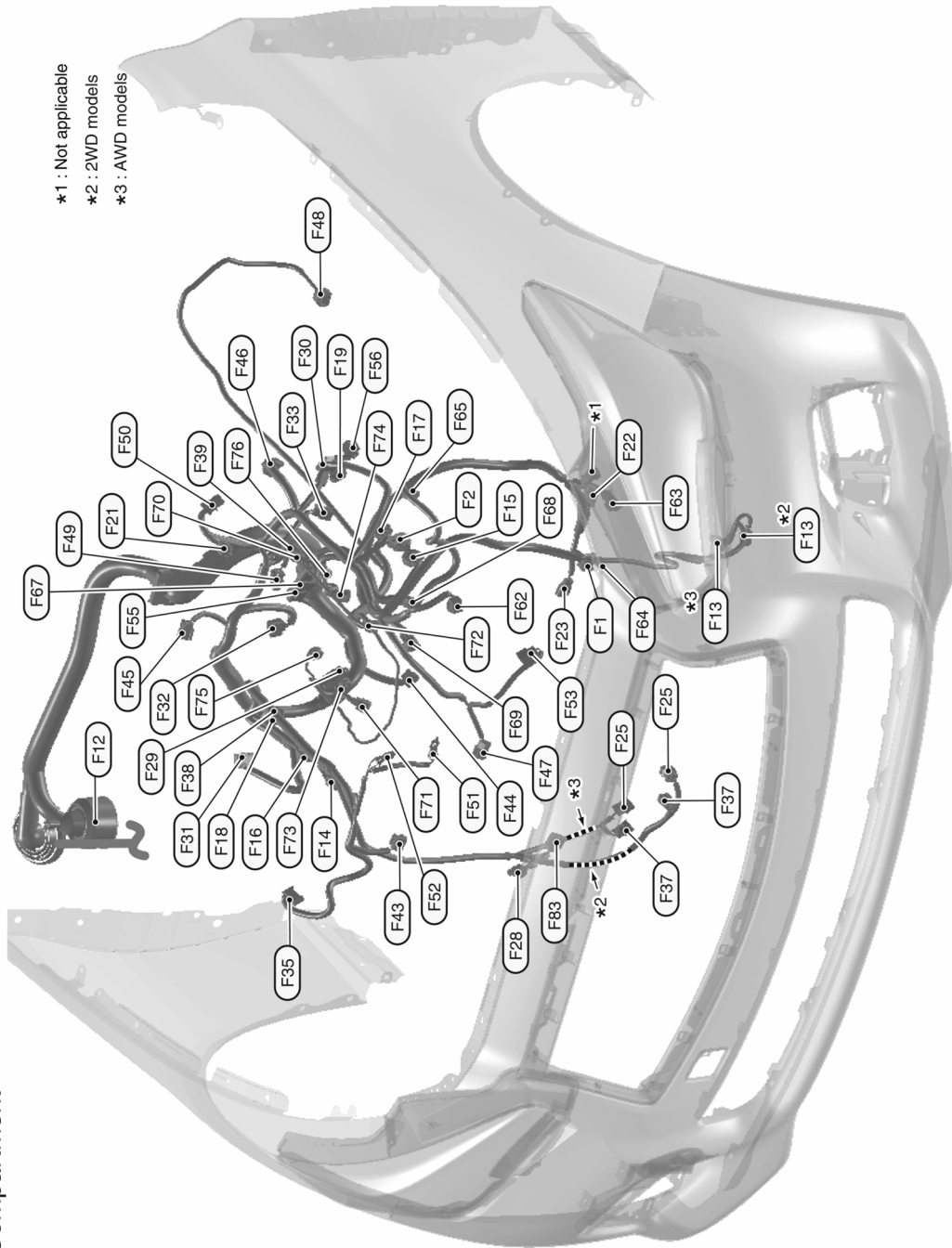
< WIRING DIAGRAM >

Engine Control Harness

INFOID:0000000011283440

ENGINE COMPARTMENT

ENGINE CONTROL HARNESS /
Engine Compartment



2014/07/28

JRMIC5163GB

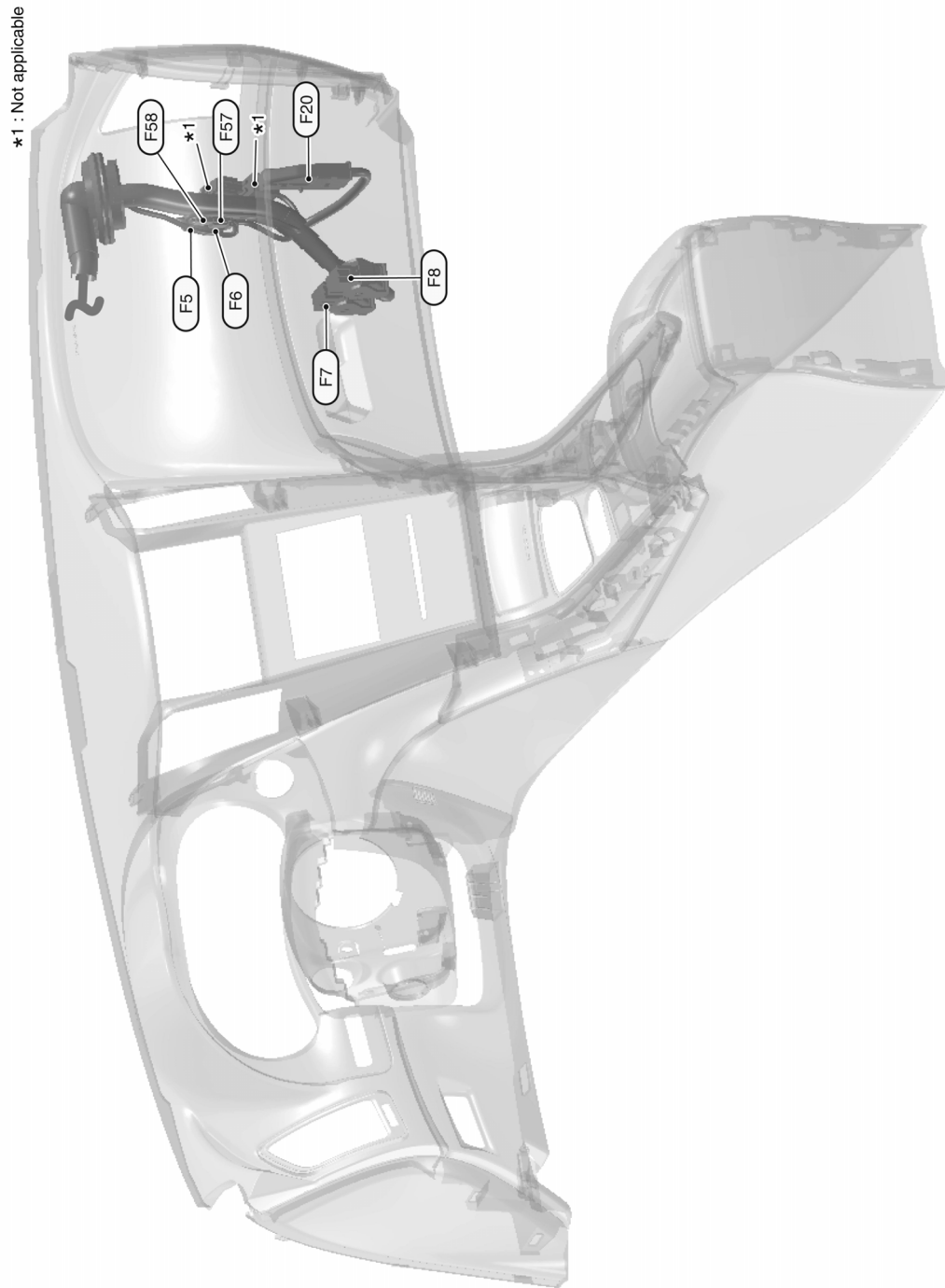
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HARNESS LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment



2014/07/28

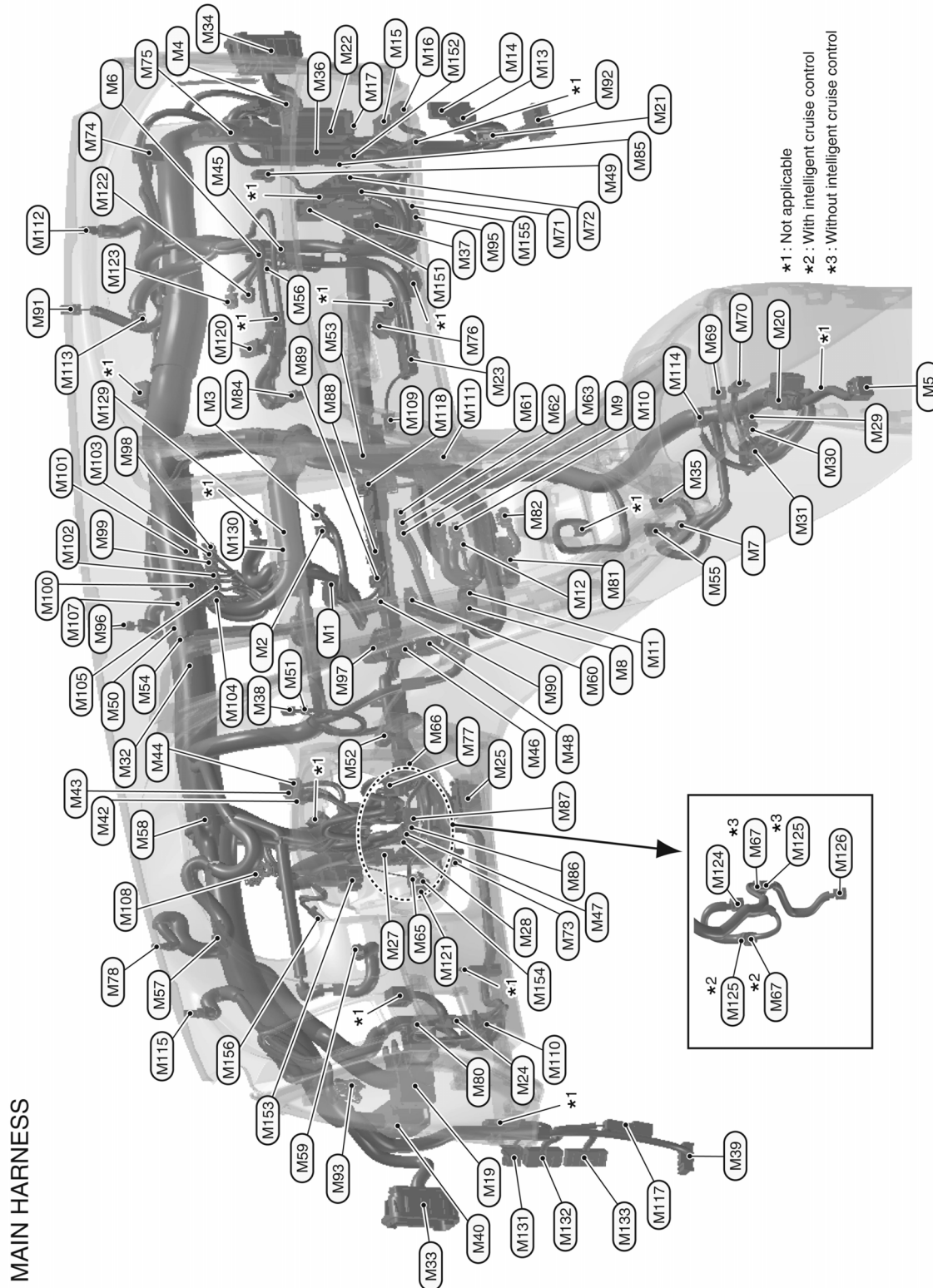
JRMIC5164GB

HARNESS LAYOUT

< WIRING DIAGRAM >

Main Harness

INFOID:000000011283441



2014/07/28

JRMIC5155GB

HARNESS LAYOUT

< WIRING DIAGRAM >

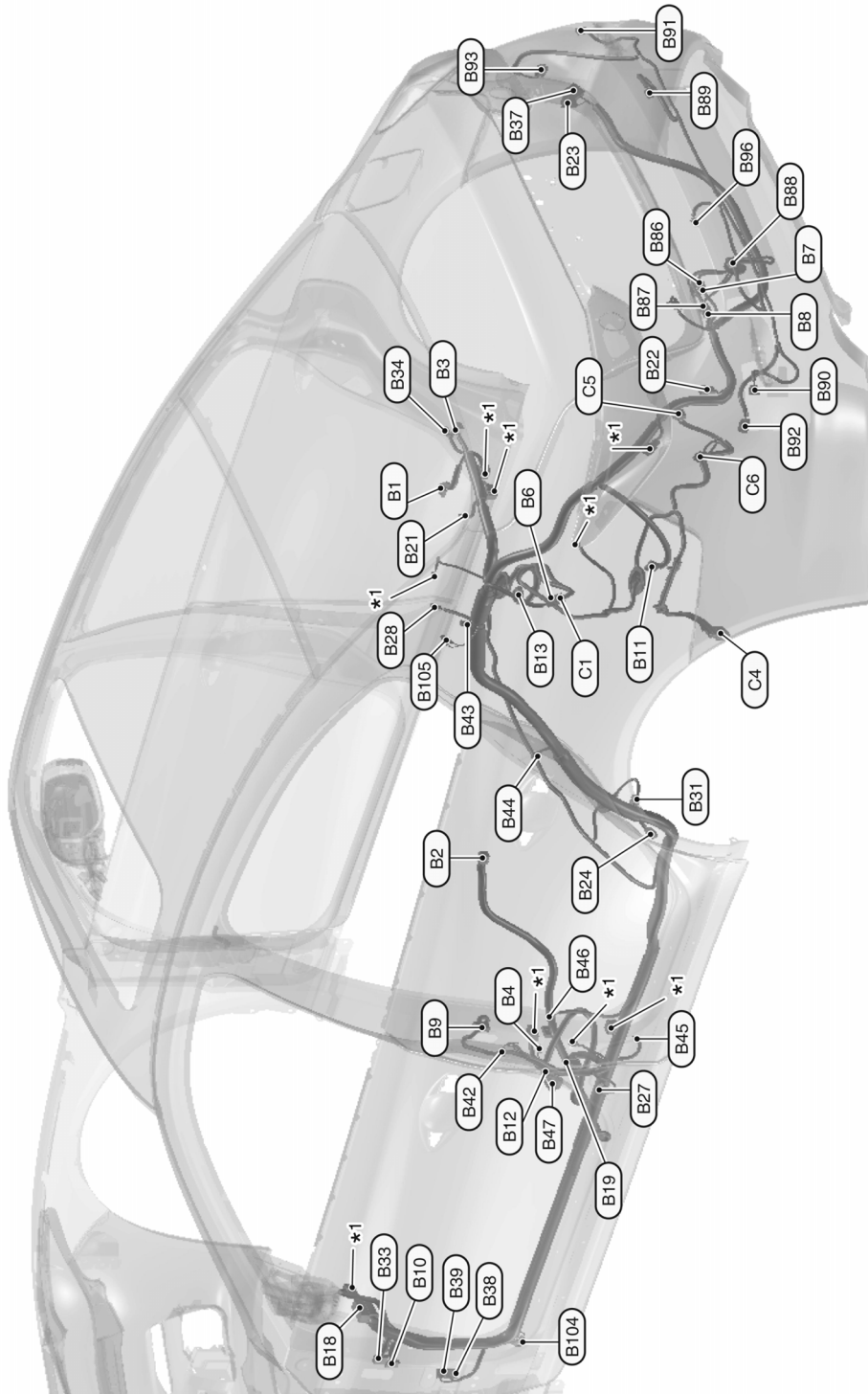
Body Harness

INFOID:000000011283442

BODY HARNESS

BODY HARNESS

*1 : Not applicable



2014/07/28

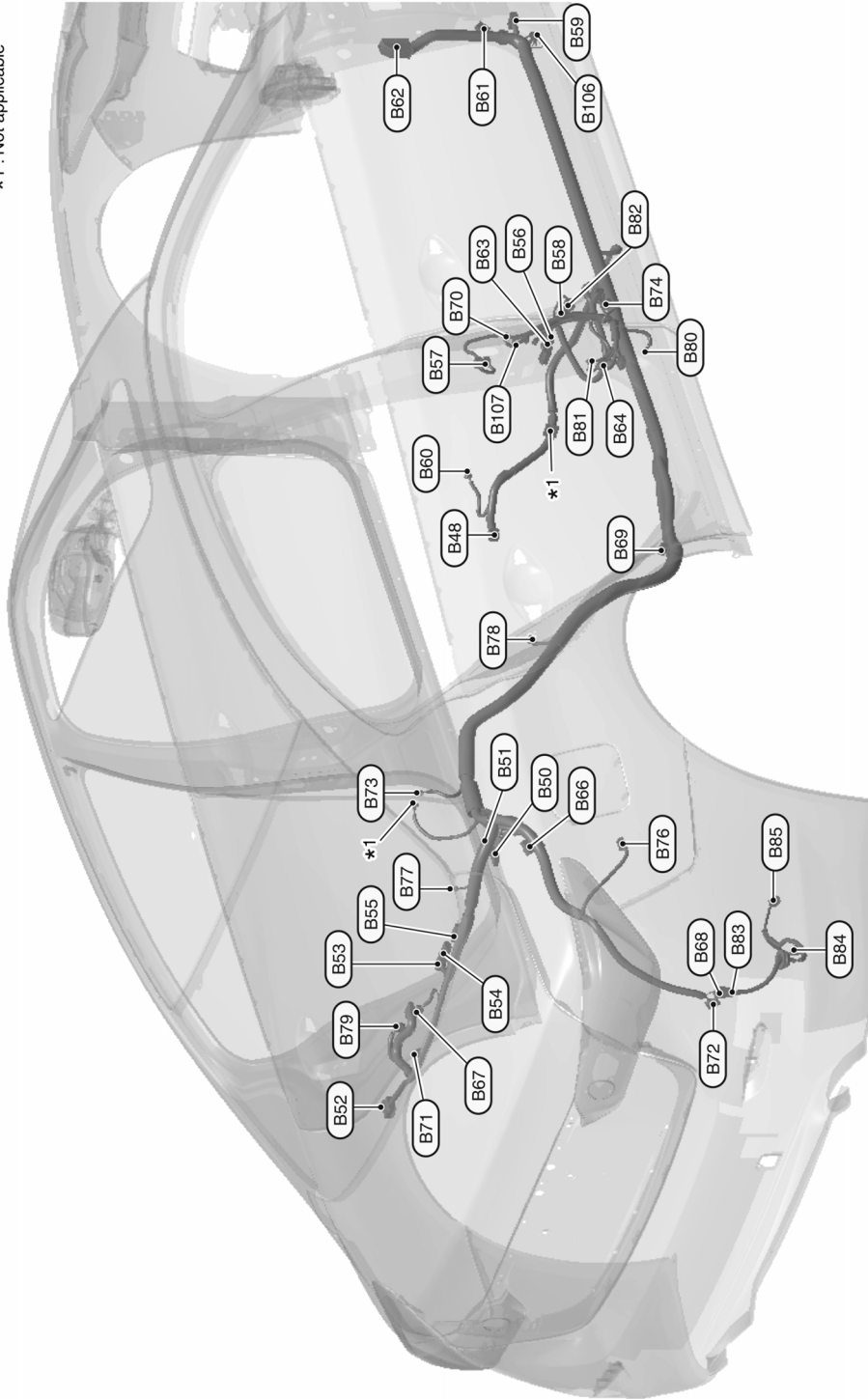
JRMIC5165GB

HARNESS LAYOUT

< WIRING DIAGRAM >
BODY No. 2 HARNESS

BODY No. 2 HARNESS

*1 : Not applicable



2014/07/28

JRMIC5166GB

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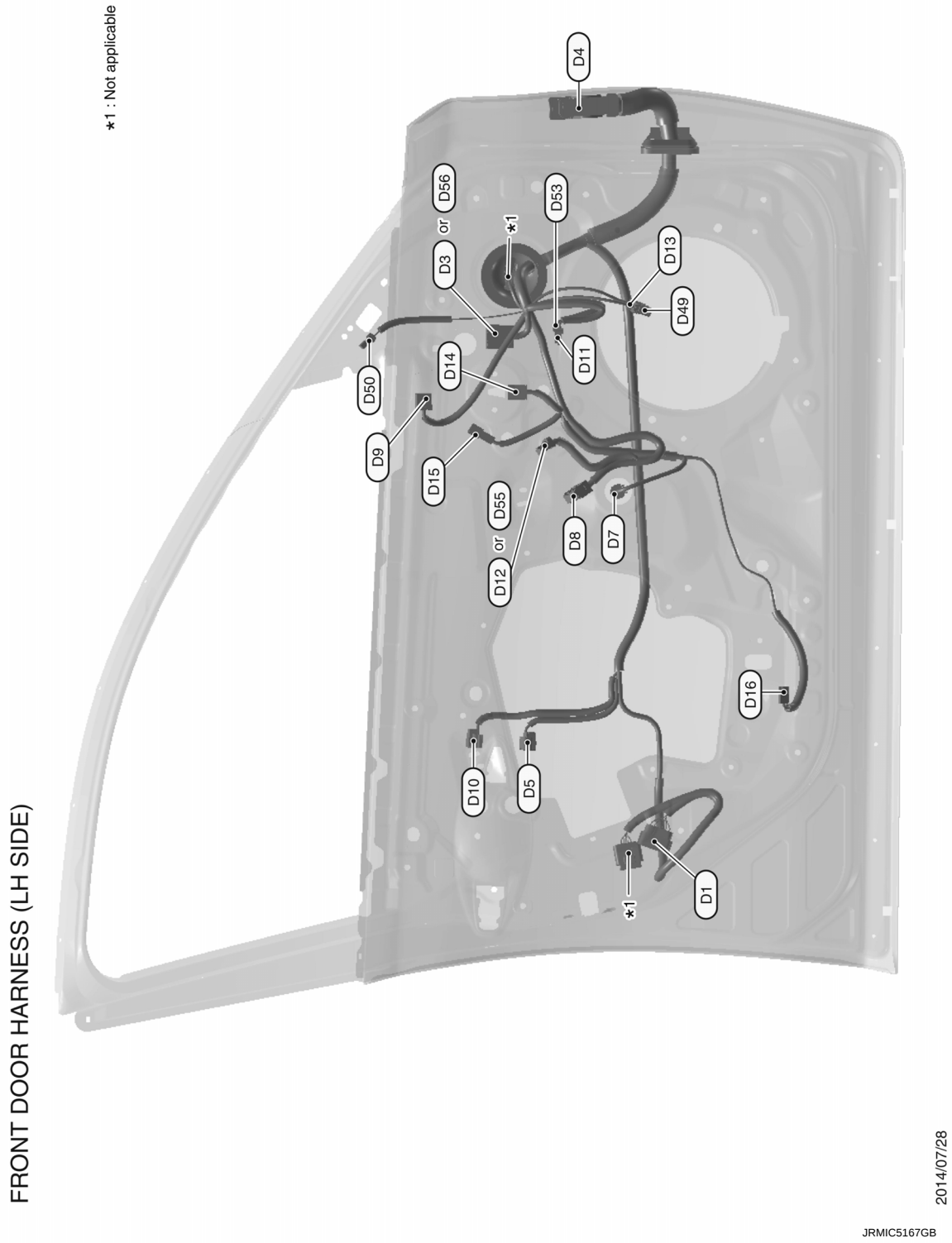
HARNESS LAYOUT

< WIRING DIAGRAM >

Door Harness

INFOID:0000000011283443

FRONT DOOR HARNESS (LH SIDE)

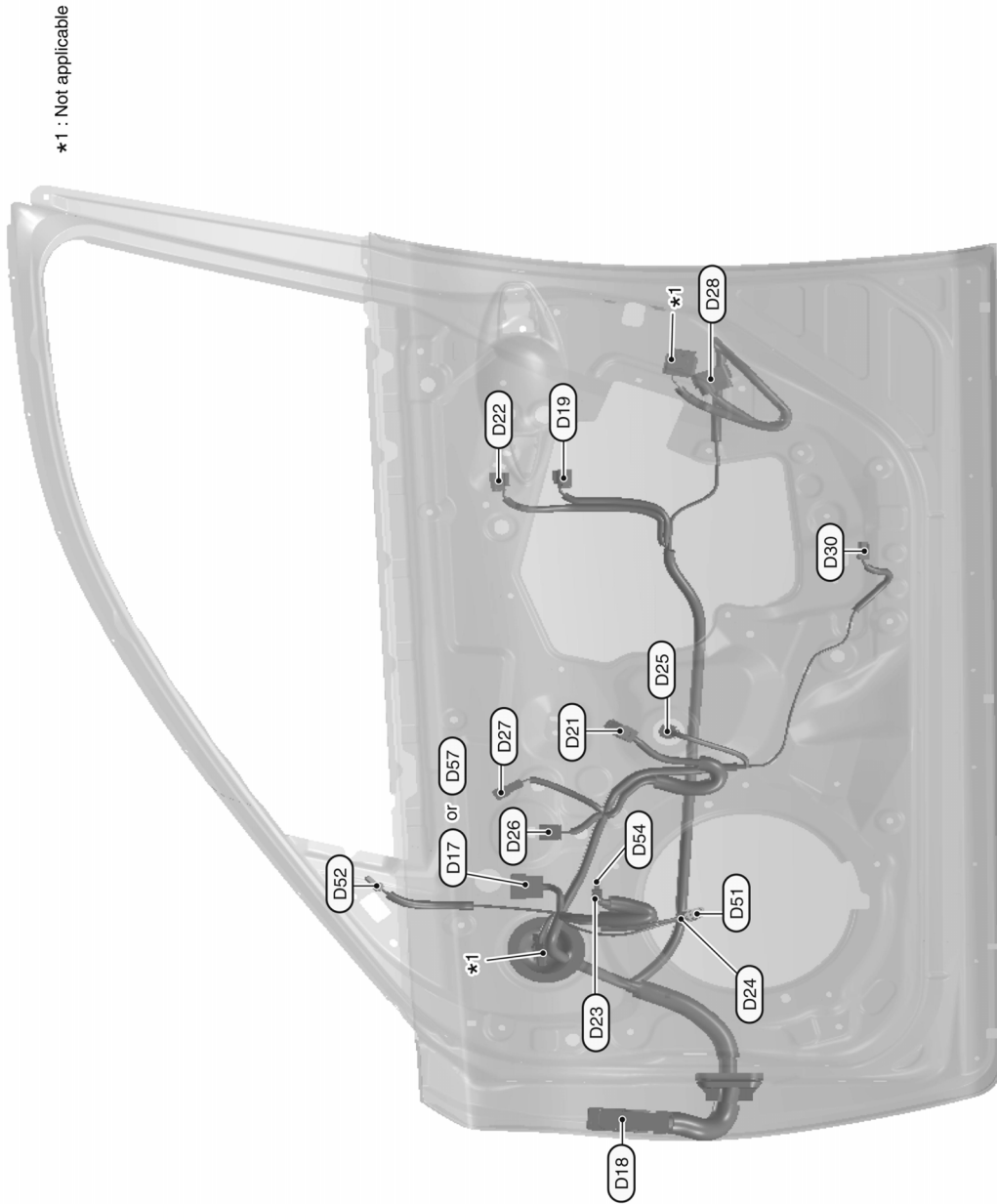


HARNESS LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



*1 : Not applicable

2014/07/28

JRMIC5168GB

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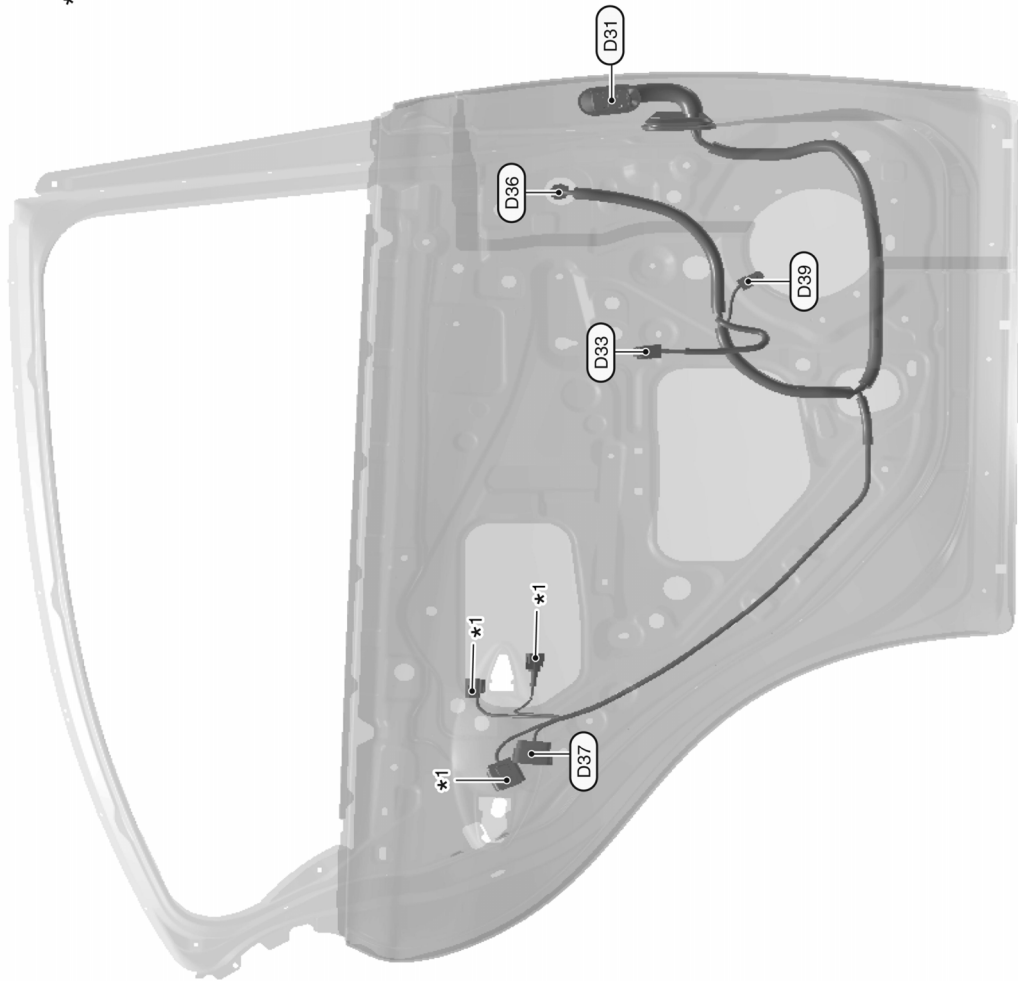
HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)

*1 : Not applicable



2014/07/28

JRMIC5169GB

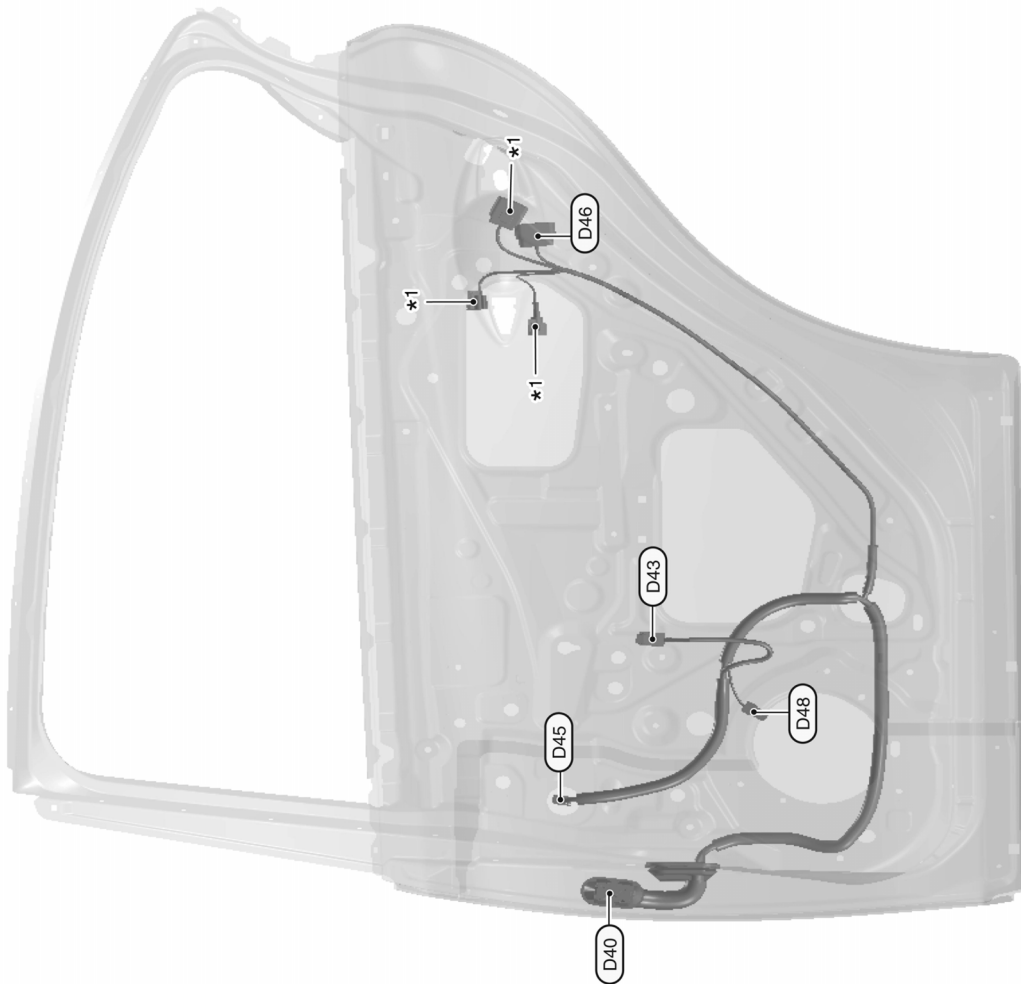
HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)

*1 : Not applicable



2014/07/28

JRMIC5170GB

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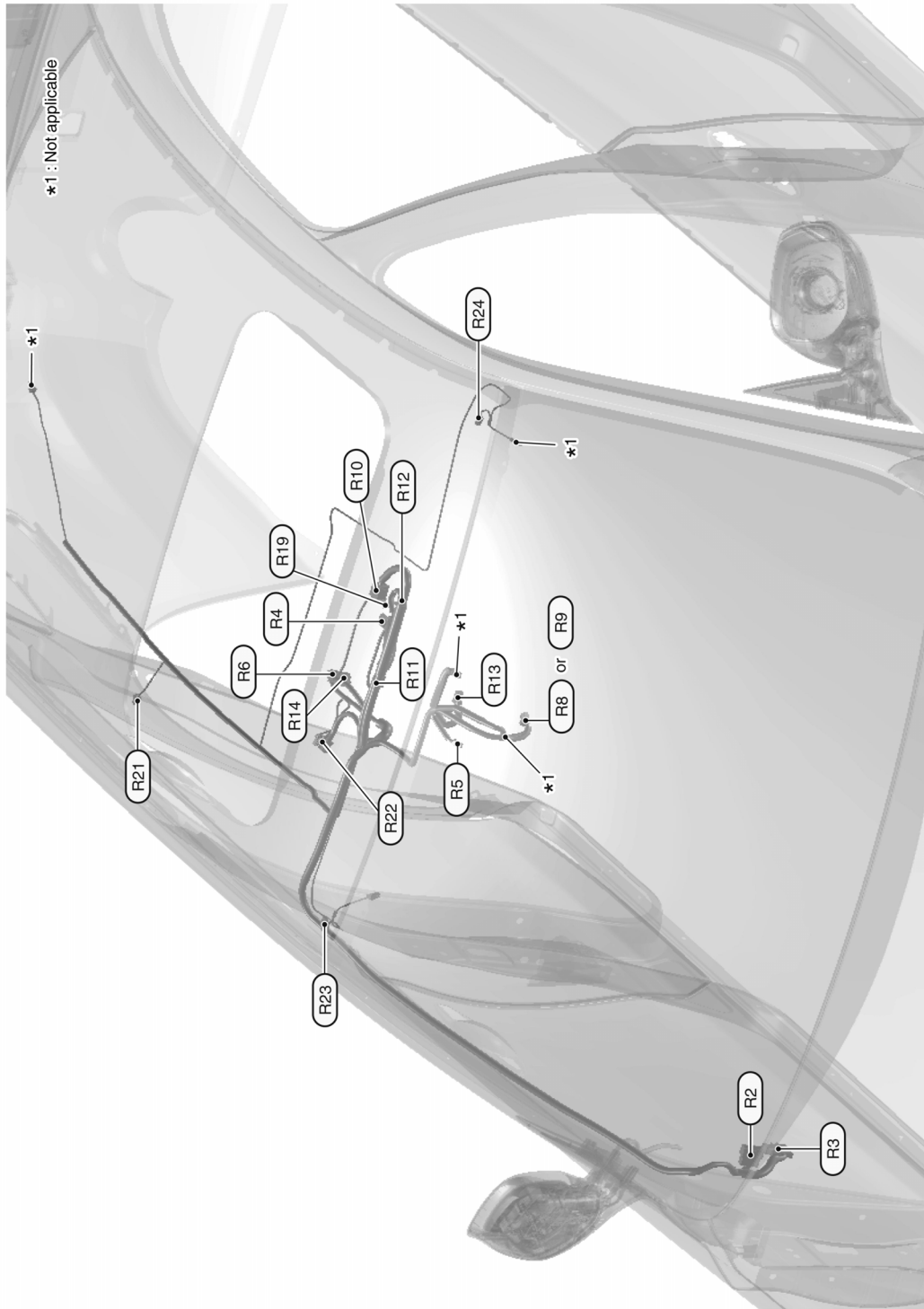
HARNESS LAYOUT

< WIRING DIAGRAM >

Room Lamp Harness

INFOID:000000011283444

ROOM LAMP HARNESS



2014/07/28

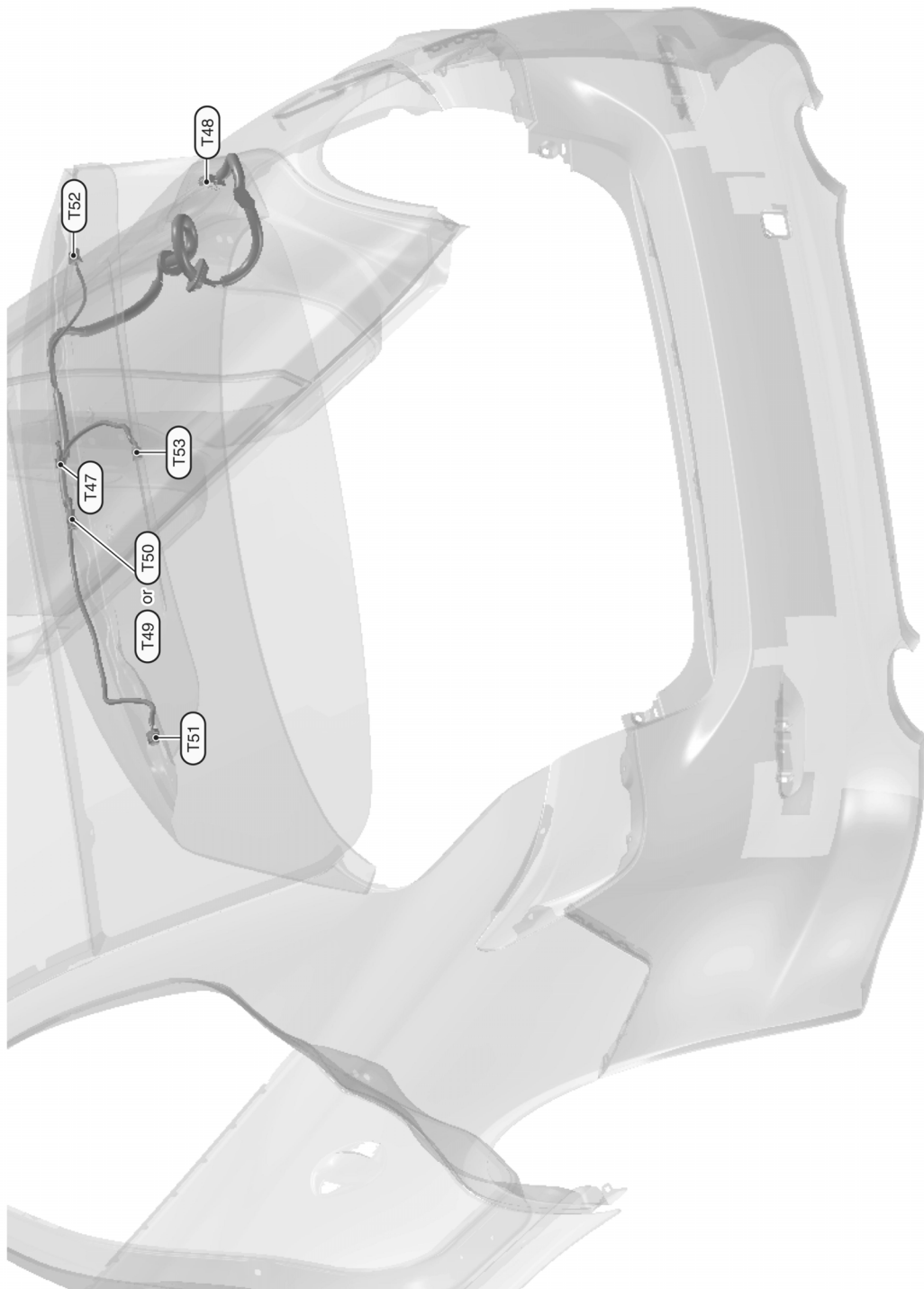
JRMIC5156GB

HARNESS LAYOUT

< WIRING DIAGRAM >

Tail Harness

INFOID:0000000011283445



TAIL HARNESS

2013/05/17

JRMIC2983GB

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BATTERY INSPECTION

< BASIC INSPECTION >

BASIC INSPECTION

BATTERY INSPECTION

How to Handle Battery

INFOID:000000011283446

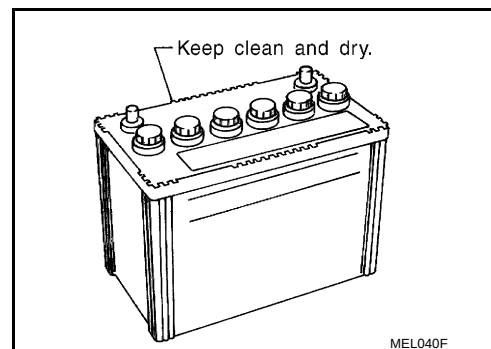
CAUTION:

- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

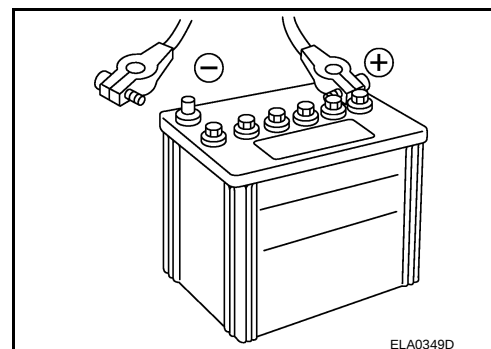
METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.

- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level.
This also applies to batteries designated as "low maintenance" and "maintenance-free".



- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage fuse switch, turn it off.)



Work Flow

INFOID:000000011283447

BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:

- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

NOTE:

Refer to the applicable instruction manual for proper battery diagnosis procedures.

BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Check Electrolyte Level

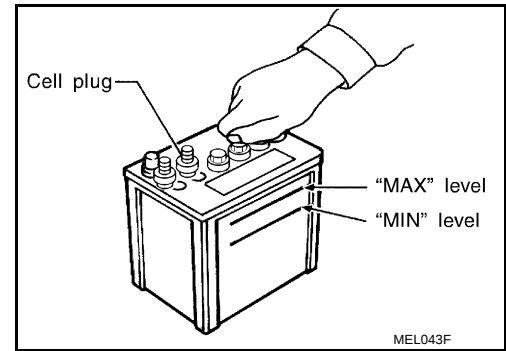
WARNING:

Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

BATTERY INSPECTION

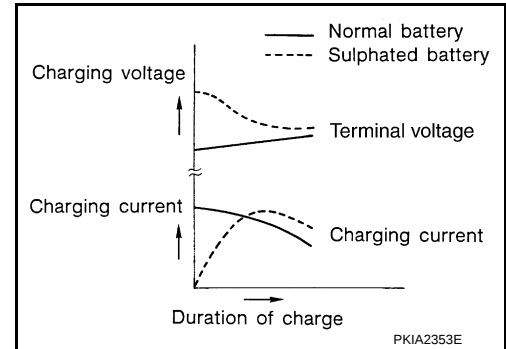
< BASIC INSPECTION >

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.



SULPHATION

- A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.
- To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.
- A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.



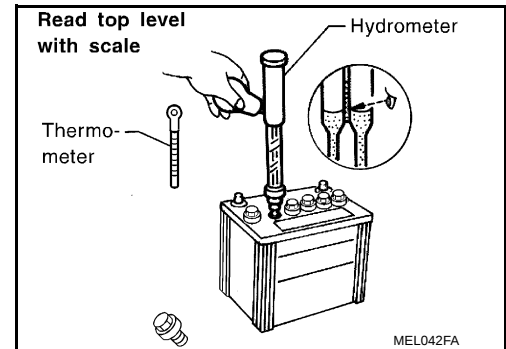
Specific Gravity Check

NOTE:

Check the charge condition of the battery.

Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.

1. Read hydrometer and thermometer indications at eye level.
2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	-0.004
16 (60)	-0.008
10 (50)	-0.012

BATTERY INSPECTION

< BASIC INSPECTION >

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024
-12 (10)	-0.028
-18 (0)	-0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

Charging The Battery

CAUTION:

- **Never “quick charge” a fully discharged battery.**
- **Keep the battery away from open flame while it is being charged.**
- **When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.**
- **If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).**

Charging Rates (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	5	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	13	0.5
1/2 charged	26	
1/4 charged		
Almost discharged		
Completely discharged	—	—

NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

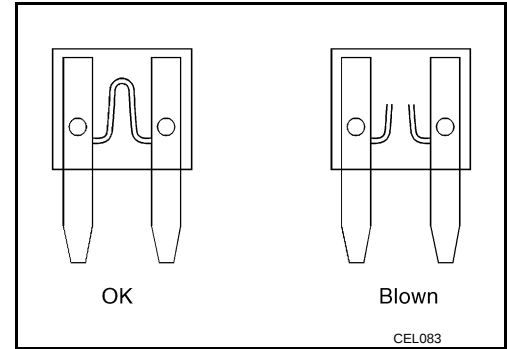
- If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

< BASIC INSPECTION >

FUSE INSPECTION

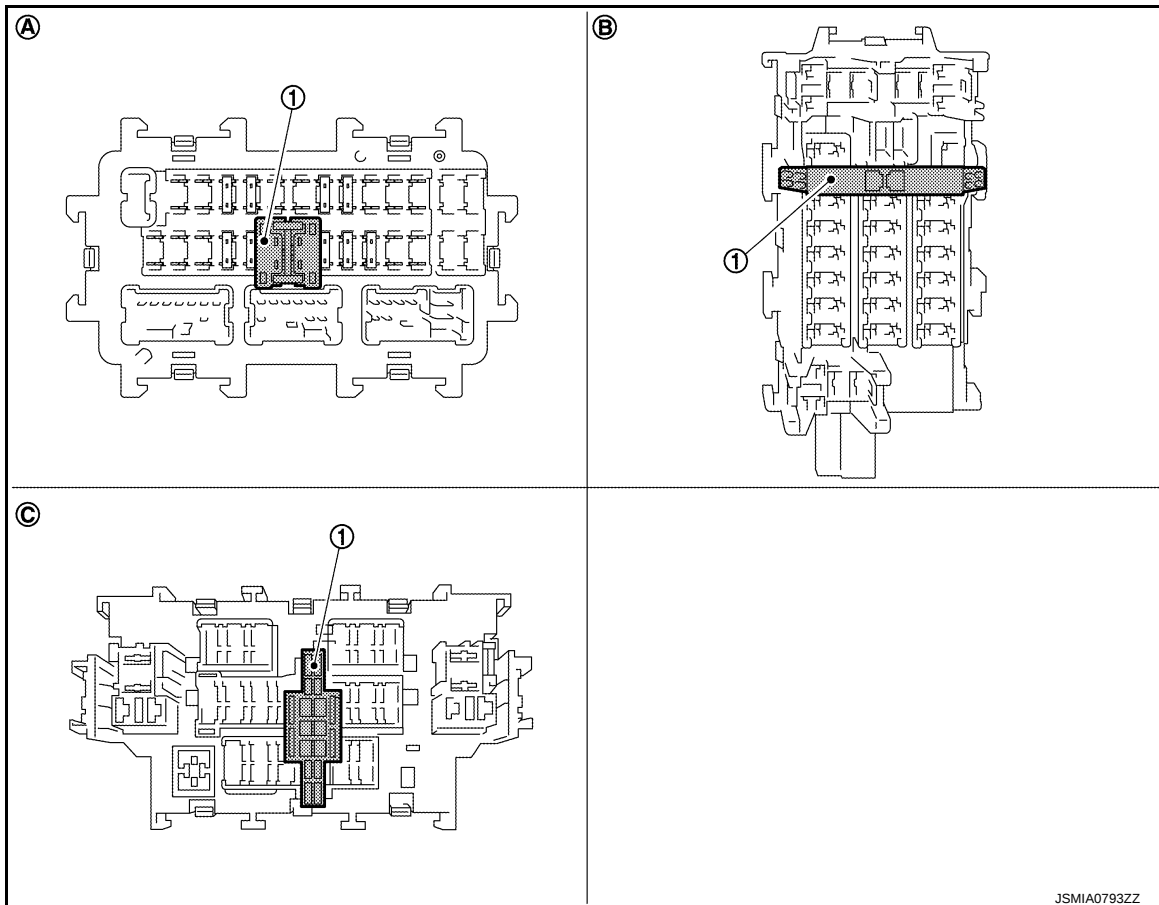
How To Check

- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

The following switch may be mounted on the fuse block (Junction Box) for transportation and storage.



- ① Extended storage fuse switch

- Ⓐ Type A

- Ⓐ Type A

- © Type C

Remove the extended storage fuse switch if it causes the interference when checking fuses.

How To Extended Storage Fuse Switch ON/OFF

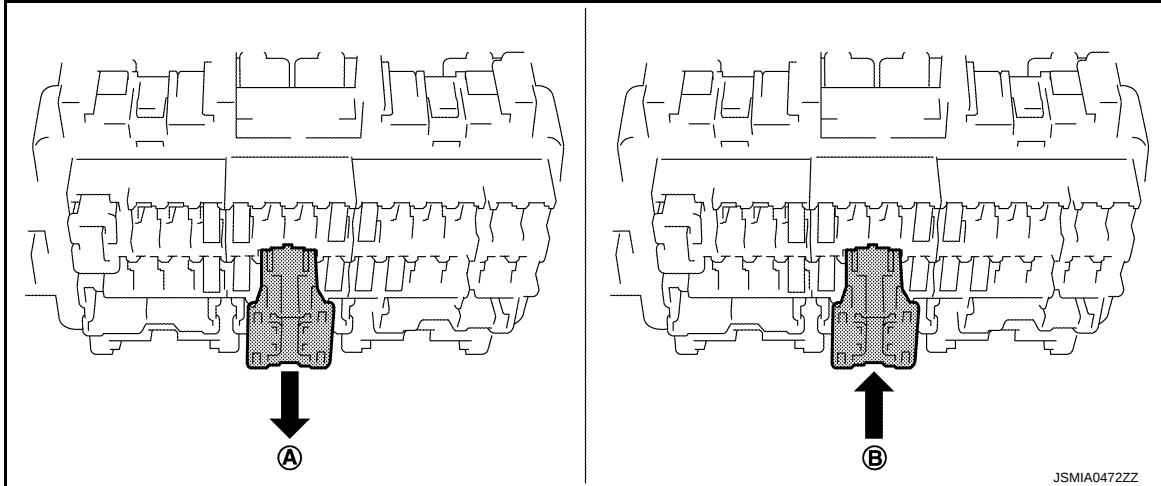
CAUTION:

- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

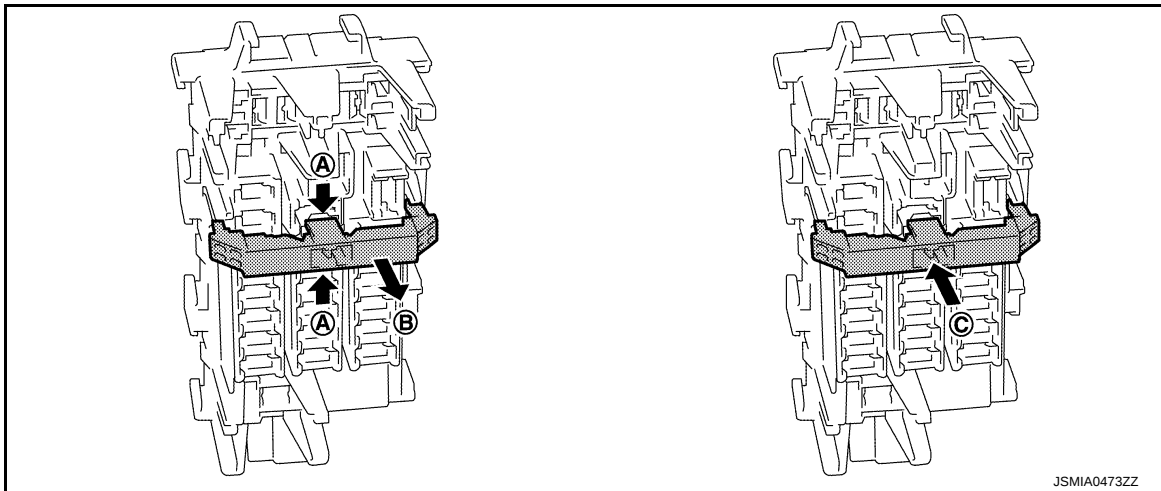
FUSE INSPECTION

< BASIC INSPECTION >

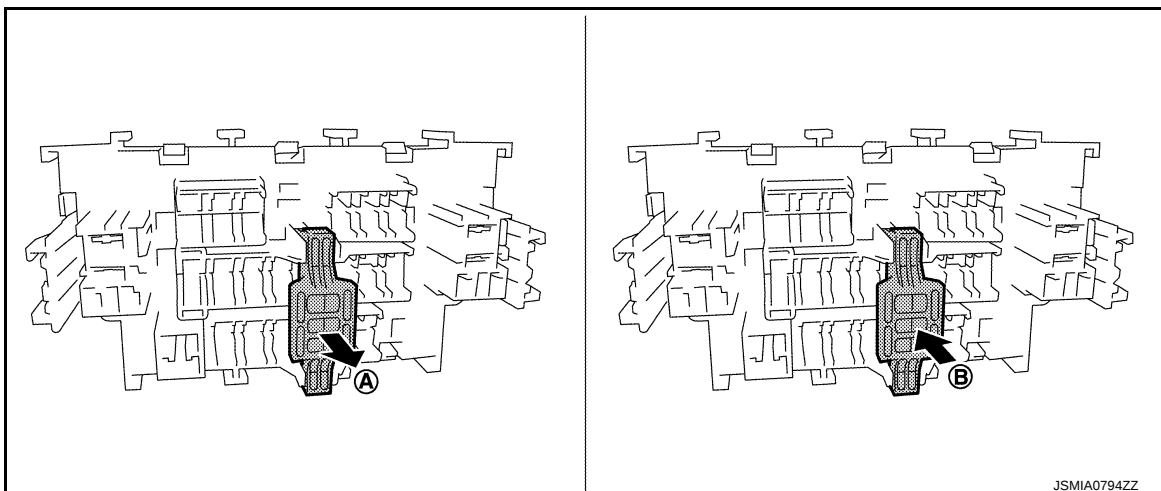
- Type A



- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
 - To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.
- Type B



- To turn the extended storage fuse switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
 - To turn the extended storage fuse switch ON, press it in (C) direction as shown in the figure.
- Type C



- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

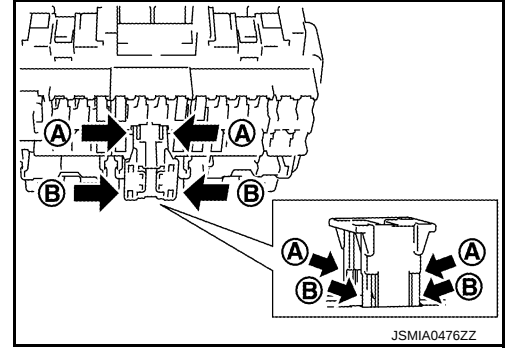
How To Remove Extended Storage Fuse Switch

Type A

FUSE INSPECTION

< BASIC INSPECTION >

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Press pawl (A) and tilt to disengage the extended storage fuse switch. Press pawl (B) and tilt to remove the extended storage fuse switch.



CAUTION:

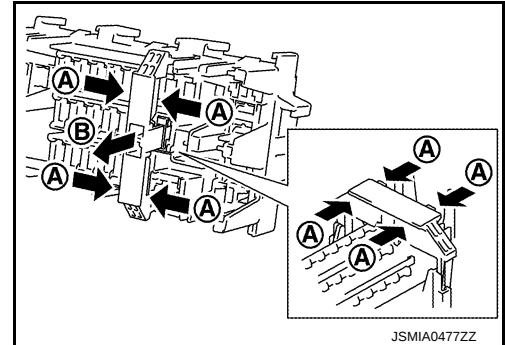
Never use fuse for bus bar.

NOTE:

- Extended storage fuse switch and bus bar are removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.



CAUTION:

Never use fuse for bus bar.

NOTE:

- Extended storage fuse switch and bus bar may be removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

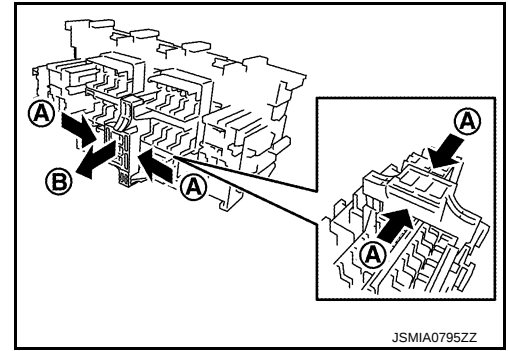
Type C

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.

FUSE INSPECTION

< BASIC INSPECTION >

3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.



CAUTION:

Never use fuse for bus bar.

NOTE:

- Extended storage fuse switch and bus bar are removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

FUSIBLE LINK INSPECTION

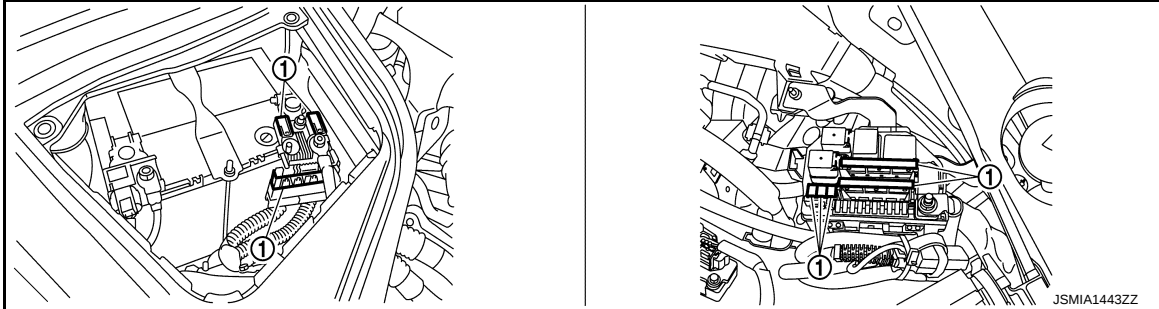
< BASIC INSPECTION >

FUSIBLE LINK INSPECTION

How To Check

INFOID:000000011283449

A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.



① Fusible link

CAUTION:

- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.

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BATTERY

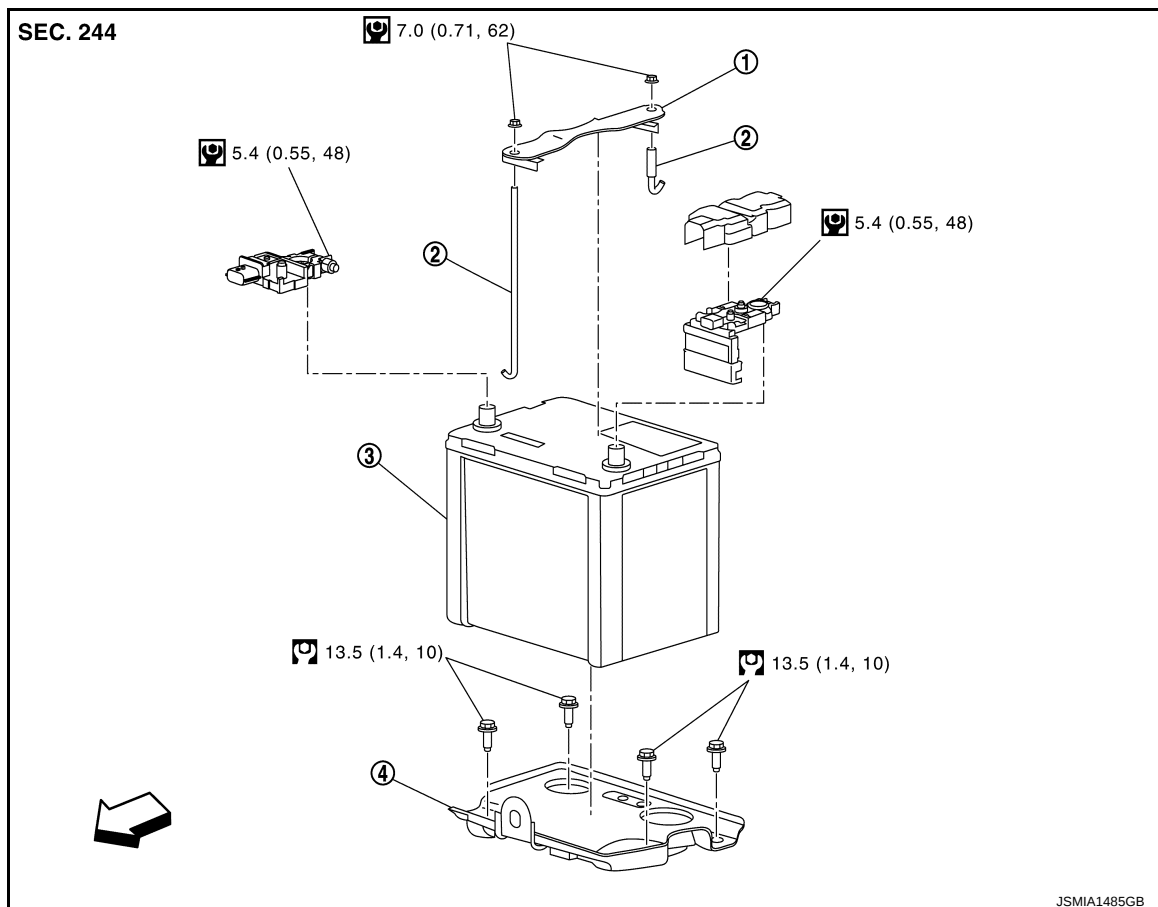
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000011283450



① Battery fix frame

② Battery fix rod

③ Battery

④ Battery tray

⇐ : Vehicle front

: N·m (kg-m, ft-lb)

: N·m (kg-m, in-lb)

Removal and Installation

INFOID:000000011283451

REMOVAL

1. Remove cowl top cover RH. Refer to [EXT-27, "Exploded View"](#).
2. Disconnect the battery cable from the negative terminal.

CAUTION:

To prevent damage to the parts, disconnect the battery cable from the negative terminal first.

3. Remove cover of battery positive terminal.
4. Disconnect the battery cable from the positive terminal.
5. Remove battery fix frame mounting nuts and battery fix frame.
6. Remove battery.
7. Remove battery tray mounting bolts and battery tray.

BATTERY

< REMOVAL AND INSTALLATION >

INSTALLATION

Install in the reverse order of removal.

CAUTION:

When connecting, connect the battery cable to the positive terminal first.

Reset electronic systems as necessary. Refer to [GI-76, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

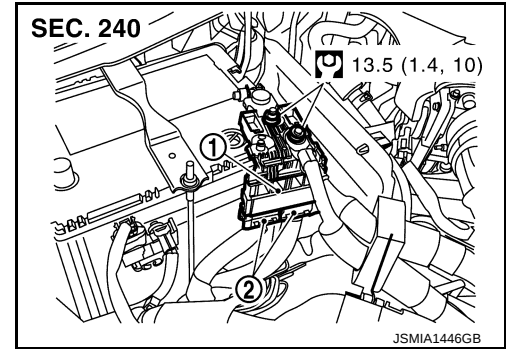
< REMOVAL AND INSTALLATION >

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000011283452

- ① : Battery terminal with fusible link
- ② : Harness connector
-  : N·m (kg-m, ft-lb)



Removal and Installation

INFOID:000000011283453

REMOVAL

1. Remove hoodledge cover RH. Refer to [EXT-27, "Exploded View"](#).
2. Disconnect the battery cable from the negative terminal. Refer to [PG-122, "Exploded View"](#).
CAUTION:
To prevent damage to the parts, disconnect the battery cable from the negative terminal first.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts and battery terminal with fusible link mounting nut.
5. Disconnect harness connector and remove battery terminal with fusible link.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

When connecting, connect the battery cable to the positive terminal first.

BATTERY CURRENT SENSOR

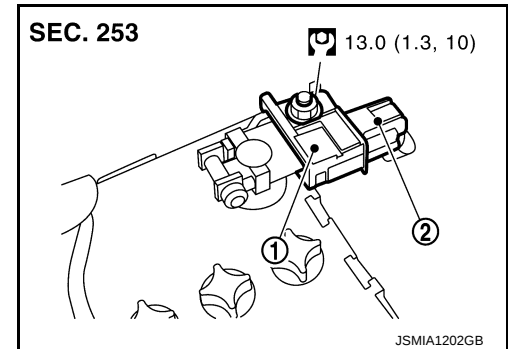
< REMOVAL AND INSTALLATION >

BATTERY CURRENT SENSOR

Exploded View

INFOID:0000000011283454

- ① : Battery current sensor
(With battery temperature sensor)
- ② : Harness connector
-  : N·m (kg-m, ft-lb)



Removal and Installation

INFOID:0000000011283455

REMOVAL

1. Remove hoodledge cover RH. Refer to [EXT-27, "Exploded View"](#).
2. Disconnect the battery cable from the negative terminal. Refer to [PG-122, "Exploded View"](#).
3. Disconnect the battery current sensor connector.
4. Remove the battery current sensor mounting nut.
5. Remove the battery current sensor from battery cable.

INSTALLATION

Install in the reverse order of removal.

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SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000011283456

WITH DIRECT ADAPTIVE STEERING

Type		Q-85
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	600

WITHOUT DIRECT ADAPTIVE STEERING

Type		80D23L
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	582